

# CV ALL PROJECTS

*Microsoft development, database development and database administration, web portals and OO development...*

Microsoft software developer, software architect, project manager, requirements analyst and consultant. Database development in the area of Microsoft SQL Server and administration of complex database systems and specialist for complex database migrations in clusters. Database development using Oracle and PL SQL as well as performance tuning in the Oracle environment. Specialist for the creation of complex ETL lines in the SQL server area using T-SQL and SSIS. Data warehouse developer, architect and consultant in the field of Microsoft SQL Server using T-SQL, SSIS, SSAS and SSRS.

## PERSONAL DATA

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## MARKET PERFORMANCE

### My contribution

Due to my many years of profound experience in the areas of requirement engineering, design of applications, databases and multi-layer architectures, development, realization and implementation, support and maintenance, in the environment of MICROSOFT, DATABASE AND DWH DEVELOPMENT, I am able to quickly and to identify competently with your project and to implement organizational and technical optimization approaches in a professional manner. Due to my flair for new technologies and my high level of technical understanding, I can professionally implement new solution ideas in your existing system landscape. As a strong communicator I support the flow of information between all project participants and as a team player I enrich your development team.

### My profile

With more than 30 years of professional experience and over 100 realized projects in the functions as a software developer and consultant for IT projects in the three areas of Microsoft development, database development and database administration, I can be an enormous asset to both your team and your project present and contribute

significantly to a goal-oriented and professional completion of your project with my commitment and my professional competence. Below is an excerpt of my technical knowledge and experience over the past 30 years:

### **Microsoft development**

- VB, VBA, .NET and database developer with deep technical knowledge. Design and implementation multi-tier applications and database applications.
- Maintenance and support of multi-tier applications and database applications.
- Profound technical knowledge Microsoft Office, MS Access and VBA, MS Excel and VBA, MS Word with VBA, Access as frontend and backend, MS SQL Server and Oracle as backend with MS Access, MS Excel as frontend, MS project and MS project server, office automation with MS Word and MS Excel and MS project, evaluations at the push of a button, user interfaces, user guidance and input validation, User Forms, Pivot Tables, Charts, MS SQL Server, Integration Services (SSIS), Integration Services (ETL), T-SQL, data mapping using T-SQL, DAO, C#, WPF, WFF, WCF, VB 6.0, VB .NET, interfaces, training and support; Training focus on MS VBA in MS Access, MS Excel, MS Word, MS Project.

### **Database development and consulting**

- Database Consultant / Architect and Developer for Microsoft SQL Server, Oracle, Sybase and PostgreSQL data anchor.
- Data Warehouse Consultant / Architect and Developer with deep technical knowledge.
- Profound expertise in the areas of SQL, T-SQL, SSIS, SSAS OLAP Cubes Design, stored procedures Function development, ETL with SQL server integration services (SSIS), reporting with SQL server Reporting Services (SSRS), SQL Server Analysis Service CUBEs, (SSAS), Database optimizations and data migration.
- Maintenance and support of multi-layer database systems and database applications.
- Profound specialist knowledge in the areas of SQL, PL/SQL, SQL Navigator, SQL\*Plus, iSQL\*Plus, Stored Procedure, Function, Developer Suite, Enterprise Manager, Forms, Reports, SOA, SHELL Warehouse Builder, Data Integrator, Business Objects, BODI, SQL\*Loader, Statement Tuning, instance tuning, food base.

### **Database administration Microsoft SQL Server**

- Install and configure SQL Server.
- Configure SQL Server databases and storage.
- Plan and implement a backup strategy.
- Restoring databases from backups.
- Import and export data.
- Monitoring the SQL Server.
- Tracking SQL Server activities.
- Managing SQL Server Security.
- Undertaking ongoing database maintenance and database optimizations.
- Automate SQL Server maintenance with SQL Server Agent jobs.
- Configure database mail, alerts, and notifications.
- Migration from SQL Server cluster to cluster.
- Migration of all SQL servers internally.
  - cluster to single.
- Migration of a virtual SQL server cluster.
- Installing SQL Server Virtual Cluster.
- Migration of all SQL servers for customers ARZ.
  - ticket processing.
- Training SSIS, SSAS and SSRS installations.

### **web development**

- Object-oriented PHP development.
- More than 5 years experience in website development Prestashop, WordPress, Bitrix CMS toolset.
- UNIX / Linux, OS X operating environments.
- MySQL, DB operations, maintenance.
- Web programming in PHP, HTML, CSS, Java.
- eCommerce websites.
- Integration of new services into website engines such as online chat, SMS notifications, payment Gateways, Delivery API, etc.
- HTML5 - can implement any static design on the web page.
- CSS3 - can organize all styles and views of website elements.
- PRESTASHOP CMS - any modifications and additional functions for Power eCommerce solution.

- JAVA - run dynamic JavaScript on web pages, using jQuery library.
- BOOTSTRAP - build all elements with BOOTSTRAP FRAMEWORK.
- Add new features to MySQL website using existing database.
- eCommerce - Analyze and apply tools in website to increase profit and budget to save.
- Integration of Google Analytics and Google.
- Integrate FB Instagram PIXELs into the webpage to create ads and catalogs for FB and Instagram.
- Work with external API integrations like PayPal, DHL, eBay, etc.

### Performance Tuning SQL Server

- Specialist for performance tuning for parallel TSQL loading sections.
- Specialist for performance tuning for parallel SSIS loading sections.

### project management

- Use of project management standards.
- International multi-project management.
- Creating complex concepts.
- Business process analysis and design.
- Project planning, management and control (project progress, milestones, quality and costs), project coordination.
- Cost-benefit analysis, resource planning, risk analysis.
- Moderation of discussions between project participants required (project communication).
- Implementation of target group-specific presentations at different management levels.

### Generally

- Logical, analytical thinking coupled with a high understanding of the technical implementation of requirements.
- Negotiating skills, persuasive and entrepreneurial thinking.
- Very good knowledge of spoken and written German and English.

## WORK EXPERIENCE RECENT YEARS

Feb 2023 - Now  
proj2023020201

KKH

### **Microsoft SQL Server Consultant - Architecture - Consultant**

Detailed description follows

Hourly use

Aug 2022 - Now  
proj2022080101

Stadler Rail

### **Microsoft SQL Server DWH and SSIS, SSRS, SSAS and T-SQL development**

The aim of the project is the generation of reports based on a data warehouse to be created, which evaluates the data from Microsoft SCCM. For this purpose, a concept is created and then the relevant data from SCCM is loaded into the data warehouse using ETL routes with Microsoft SQL (T-SQL) and Microsoft SSIS. After loading the data, the Enterprise DWH is created and the entire reporting is implemented using SSRS.

- Development of DWH load procedures using SQL server.
- Loading the staging tables.
- Loading the DWH tables.
- Implementing the VAULT schemas.
- Creation of the ETL processes (stage).
- Modeling of schemes based on business needs.
- Clarifications with the business.

June 2022 - Now

island hospital

### **Microsoft SQL Server DWH and SSIS, SSRS, SSAS and T-SQL development**

The aim of the project is the generation of reports based on a data warehouse to be created, which evaluates the data from Microsoft SCCM. For this purpose, a concept is created and then the relevant data from SCCM is loaded into the data warehouse using ETL routes with Microsoft SQL (T-SQL) and Microsoft SSIS. After loading the data, the Enterprise DWH is created and the entire reporting is implemented using SSRS.

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- Creation of the ETL processes (stage).
- Modeling of schemes based on business needs.
- Clarifications with the business.

Jan 2022 - Now  
proj2022010101

Almeda

### **Microsoft SQL Server Specialist**

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Developments in the SQL Server environment. Develop, extend and customize complex procedures and functions using SQL and T-SQL. Developing the concepts, implementing the concepts and testing and documenting the implemented logic. Additional support for the administration of the SQL server, performance tuning with regard to the existing logic.

- Creation of complex procedures and functions (SQL, TSQL)
- Modeling of schemes based on business needs.
- Clarifications with the business.

Oct 2021 - Now  
proj202110123101

Telefonica

### **Microsoft SQL Server DWH and SSIS, SSRS, SSAS development**

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The aim of the project is the generation of reports based on a data warehouse to be created, which evaluates the data from Microsoft SCCM. For this purpose, a concept is created and then the relevant data from SCCM is loaded into the data warehouse using ETL routes with Microsoft SQL (T-SQL) and Microsoft SSIS. After loading the data, the Enterprise DWH is created and the entire reporting is implemented using SSRS.

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- Loading the DWH tables.
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- Creation of the ETL processes (stage).
- Modeling of schemes based on business needs.
- Clarifications with the business.

Aug 2021 - Now  
proj202108093001

Orlikon

### **Microsoft SQL Server Consultant - DBA Admin - Consultant**

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Supporting a team as an SQL server administrator with the main task of carrying out more complex admins. Additional support in processing the tickets in general operation of the databases and the installation of special applications as well as the migration of complex data warehouse environments and the required tools such as SSIS , SSAS and the SSRS.

- Install and configure SQL Server.
- Configure SQL Server databases and storage.
- Plan and implement a backup strategy.
- Restoring databases from backups.
- Import and export data.
- Monitoring the SQL Server.
- Tracking SQL Server activities.
- Managing SQL Server Security.
- Knowledge of data access and data encryption.
- Undertake ongoing database maintenance and from database optimizations.
- Automate SQL Server maintenance with SQL Server Agent jobs.
- Configure database mails, alerts and notifications.
- Migration of all SQL servers internally.
- Migration of all SQL servers for customers ARZ.
- Migration from SQL Server cluster to cluster.

- Migration of all SQL servers internally.
- cluster to stand alone.
- Migration of a virtual SQL server cluster.
- Installing SQL Server Virtual Cluster.
- Migration of all SQL servers for customers ARZ.
- ticket processing.

Aug 2021 – Mar 2023  
proj20210801033101

Stuttgart Stock Exchange

### **Microsoft SQL Server - DBA Admin**

Supporting a team in a data center as a SQL server administrator with the main task of performing more complex migrations into a cluster for customer-side databases and for internal databases. Additional support in processing the tickets in the general operation of the databases and the installation of special applications as well as the migration of complex data warehouse environments and the required tools such as SSIS, SSAS and SSRS.

- Install and configure SQL Server.
- Configure SQL Server databases and storage.
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- cluster to stand alone.
- Migration of a virtual SQL server cluster.
- Installing SQL Server Virtual Cluster.
- Migration of all SQL servers for customers ARZ.
- ticket processing.
- Training SSIS, SSAS and SSRS installations.
- Advisory function, does not affect 100% workload.

Jan 2022 – Dec 2022  
proj20220101123101

Unimed

### **Microsoft SQL Server development**

Developments in the SQL Server environment. Develop, extend and customize complex procedures and functions using SQL and T-SQL. Developing the concepts, implementing the concepts and testing and documenting the implemented logic. Additional support for the administration of the SQL server, performance tuning with regard to the existing logic.

- Creation of complex procedures and functions (SQL, TSQL)
- Modeling of schemes based on business needs.
- Clarifications with the business.

Feb 2022 – Dec 2022  
proj20220201123102

Raiffeisen

### **Microsoft SQL Server DWH and SSIS, SSRS, SSAS and T-SQL development**

The aim of the project is the generation of reports based on a data warehouse to be created, which evaluates the data from Microsoft SCCM. For this purpose, a concept is created and then the relevant data from SCCM is loaded into the data warehouse using ETL routes with Microsoft SQL (T-SQL) and Microsoft SSIS. After loading the data, the

Enterprise DWH is created and the entire reporting is implemented using SSRS.

- Development of DWH load procedures using SQL server.
- Loading the staging tables.
- Loading the DWH tables.
- Implementing the VAULT schemas.
- Creation of the ETL processes (stage).
- Performance tuning specialist for complex SSIS packages
- Modeling of schemes based on business needs.
- Clarifications with the business.

May 2021 – Dec 2021  
proj202105093001

CitySoftNet, Zurich

#### **Microsoft SQL Server and SSIS, SSRS development**

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Creation of complex SSIS packages to migrate existing data into a uniform data structure.

- Creating SSIS processes and packages
- Creating queries (SQL).
- Analysis of data (customer data)
- Creation and integration of new tables into the existing data model

May 2020 – Aug 2022  
proj202105093002

IBM Kelsterbach

#### **Matrix42, Microsoft SQL Server, T-SQL, Reporting Server**

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Based on the Matrix42 Workflow Management application, reporting on compliance with the SLA contracts is created by IBM, taking into account the SLA contracts. The source of the data is the Microsoft SQL server, which serves as the backend of the Matrix42 workflow management application. With the help of dynamic functions, the reports are generated in Matrix as well as Github the workflows, which automatically generate monthly or temporary calculations for the reports. Below is a small excerpt of the knowledge required to implement this project:

- Create SLA reports in Matrix42 (Microsoft Reporting Server).
- Create workflows in Matrix42 (T-SQL, SQL).
- Building complex queries using T-SQL (T-SQL, SQL).
- Creating complex stored procedures with T-SQL (T-SQL, SQL).
- Creating complex functions with T-SQL (T-SQL, SQL).
- Testing of dynamic complex reports (T-SQL, SQL).
- Dynamic complex queries (T-SQL, SQL).
- Dynamic workflow with T-SQL (T-SQL, SQL).
- Participation in day-to-day business (ticket system, support, troubleshooting)
- Development in the digitization of workflows (applications, orders, etc.)
- Development / customizing according to internal requirements

Jun 2014 – Now  
proj201406093001

bs4y, Zurich

#### **Outsourcing Project Manager, Remote Project Manager**

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Project manager for small and medium-sized projects, which are realized for Swiss customers, German customers and Austrian customers in the branches in Romania and Moldova. Link between the customer and the implementation teams. Monitoring of project status and project finances. Creation of requisitions, planning and all other necessary documents.

- CTO of the company bs4y (Business Solutions 4 you).
- Project leadership and project management.
- Technical management of web projects by Internationale Remote development teams.
- Use of project management standards.
- International multi-project management, outsourcing to Peru (sub-project, projects).
- Creation of complex concepts, business process analysis and design.
- Project planning, management and control (project progress, milestones)

- Quality and costs, project coordination, contractual service description, cost-benefit analysis, resource planning, risk analysis).
- Moderation of discussions between project participants (project communication).
- Carrying out target group-specific presentations at different locations management levels.
- Project documentation in project SharePoint.
- Project reporting to program director / management.
- Comprehensive IT knowledge (IT architectures, web services).
- knowledge of foreign languages.

Aug 2021 – Nov 2021  
proj202108093002

Hessian data center  
**Microsoft SQL Server Specialist - DBA Admin**

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Supporting a team as an SQL server administrator with the main task of carrying out more complex admins. Additional support in processing the tickets in general operation of the databases and the installation of special applications as well as the migration of complex data warehouse environments and the required tools such as SSIS , SSAS and the SSRS.

- Install and configure SQL Server.
- Configure SQL Server databases and storage.
- Plan and implement a backup strategy.
- Restoring databases from backups.
- Import and export data.
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- Tracking SQL Server activities.
- Managing SQL Server Security.
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- Automate SQL Server maintenance with SQL Server Agent jobs.
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- Migration of all SQL servers internally.
- cluster to single.
- Migration of a virtual SQL server cluster.
- Installing SQL Server Virtual Cluster.
- Migration of all SQL servers for customers ARZ.
- ticket processing.
- Training SSIS, SSAS and SSRS installations.

May 2021 – Sep 2021  
proj202105093003

Arcplace, Zurich  
**Microsoft SQL Server consultant**

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Supporting a team as an SQL server administrator with the main task of carrying out more complex admins. Additional support in processing the tickets in general operation of the databases and the installation of special applications as well as the migration of complex data warehouse environments and the required tools such as SSIS , SSAS and the SSRS.

- Plan and implement a backup strategy.
- Restoring databases from backups.
- Monitoring the SQL Server.
- Tracking SQL Server activities.
- Managing SQL Server Security.

Dec 2020 – Sep 2021  
proj202012093001

Postfinance, Berne  
**Developer SQL Server - MIS**

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Creation of various management reports based on the MIS. Exact information will follow.

- Creation of complex reports
- Creating queries (SQL) in the MIS.
- Analysis of data (customer data)
- Creation and integration of new tables into the existing data model
- Automation of report creation (SSIS)
- Creation of outputs in MS Excel

April 2021 – May 2021  
proj202104053101

Durr, Germany  
**Developer SQL Server - SQL, T-SQL**

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Extension of communication interfaces to a PLC control. Support of the existing team. Implementing various logic using SQL and T-SQL. Implementation of specified requirements.

- Creating queries (SQL).
- Analysis of data (customer data)
- Creation and integration of new tables into the existing data model
- Generate complex stored procedures and functions using TSQL

Mar 2021 – Apr 2021  
proj202103053101

Bedag, Bern  
**Developer POSTGRES - PENTHAO**

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Creation of the ETL processes for the Covid dashboard of the federal administration.

- Creation of ETL processes using Penthao
- Creating queries (SQL).
- Analysis of data (customer data)
- Creation and integration of new tables into the existing data model

Nov 2020 – Dec 2020  
proi202011123101

Mann+Hummel, Speyer, Germany  
**Complex Microsoft SQL servers - migration to a cluster**

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Due to the customer's technical situation, a direct migration from the existing cluster to the new cluster is not possible. For this reason, a node of the existing cluster is removed during this migration, a local SQL server is created on it and the original SQL server on the cluster is migrated to this local SQL server. This in the form of a pre-migration. Then the new cluster is created and then the databases of the local SQL server are migrated to this cluster. The reason for this procedure lies in the use of the SUN, which is decisive for the fact that the old cluster environment can no longer be accessed after the cluster has been migrated.

- Pre-migrating the database server on the cluster to a local installation.
- Creating the new cluster.
- Migration of the local installation of the database server on the new cluster.

Jan 2020 – Dec 2020  
proj202001123101

ARZ Innsbruck  
**Specialist for Microsoft SQL Server - migrations and DBA Admin**

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Supporting a team in a data center as a SQL server administrator with the main task of performing more complex migrations into a cluster for customer-side databases and for internal databases. Additional support in processing the tickets in the general operation of the databases and the installation of special applications as well as the migration of complex data warehouse environments and the required tools such as SSIS, SSAS and SSRS.

- Install and configure SQL Server.
- Configure SQL Server databases and storage.
- Plan and implement a backup strategy.
- Restoring databases from backups.
- Import and export data.
- Monitoring the SQL Server.
- Tracking SQL Server activities.
- Managing SQL Server Security.



- Knowledge of data access and data encryption.
- Undertaking ongoing database maintenance and database optimizations.
- Automate SQL Server maintenance with SQL Server Agent jobs.
- Configure database mails, alerts and notifications.
- Migration of all SQL servers internally.
- Migration of all SQL servers for customers ARZ.
- Migration from SQL Server cluster to cluster.
- Migration of all SQL servers internally.
- cluster to single.
- Migration of a virtual SQL server cluster.
- Installing SQL Server Virtual Cluster.
- Migration of all SQL servers for customers ARZ.
- ticket processing.
- Training SSIS, SSAS and SSRS installations.
- Advisory function, does not affect 100% workload.

Jan 2020 – Nov 2020  
proj202001113001

Julius Baer, Zurich

### **Access, VBA, Microsoft SQL Server - Microsoft Competence**

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This project can be broken down into three main tasks:

Task one: Create an application using Microsoft Access for calculating and reporting the TAX calculations for Italy and France. The application includes the import of the tax files, taking weekends and public holidays into account, the listing of the imported files and the option of storing comments on the imported files. The second area of the application allows adjustment postings related to the imported data and the third area of the application creates a reconciliation between the financial data of the core application and the financial data imported by the system. The application was implemented using Microsoft Access (backend) and the frontend was also made in Microsoft Access using VBA.

- Creation of an application for the TAX authorities of France and Italy.
- Integration of 40 applications in an MS Access template.
- Development of various applications using VBA, Access.
- Development of various applications using VBA, Access, SQL Server.
- Creation of complex reconciliations using VBA and T-SQL.
- Create user forms and their functionalities.
- Creation of input checks and data comparisons / synchronizations.

Task two: Create an application for Triple AAA to manage the restrictions on the customer side. For this purpose, a Microsoft SQL server was used, which served as the backend and a Microsoft Access database, which served as the frontend. My area of responsibility was the backend development with the following requirements that were necessary to implement the project.

- Creating queries using Microsoft SQL.
- Creation of stored procedures using Microsoft T-SQL.
- Creation of communication interfaces using file transfer.
- Creating communication interfaces using Jason.
- Creation of communication interfaces using XML.
- All communication interfaces were saved in the form of Functions or stored procedures created using Microsoft T-SQL.

Apr 2020 - Aug 2020  
proj202004083101

Araucano, Columbia

### **Developing an e-commerce store- PHP Prestashop, HTML 5**

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Start selling in Latin America. Create product catalog with adjusted prices for each territory. Using 12 currencies to provide the online store for each territory. Advertising strategy Advertising in Facebook and Instagram, my tasks consisted of expanding Facebook with product catalog and website for launching dynamic advertising. Stock availability is one of the tasks of the project. The website's database calculates stock availability for online and point-of-sale orders by scanning barcodes. Integration of a

domestic payment system for receiving payments via bank gateway. Customers in the store can simply pay with their Visa or Mastercard. Increased website speed through caching technologies. Added mobile friendly theme.

Project link:<https://araucano.online>

- Building an eCommerce store for B2B sales with Prestashop CMS.
- Integration of B2B business logic into website database.
- Multi-currency system with up to 12 currencies for Latin America.
- Integrating the Facebook API to add product feeds to Facebook catalogues export and advertising on Facebook and Instagram by product catalog too create.
- Integrate a warehouse management system to track inventory levels in to calculate and display the camps.
- Integration of multilingualism into the website.
- Different prices depend on the product variants.
- Implementation of new payment gateways and logistic APIs.
- Optimized code for fast web page loading.
- Cross browser compatibility
- Google search console integration
- Website caching

Nov 2019 – Feb 2020  
proj201909022801

NEF, Germany

#### **Microsoft Access, VBA, SQL Microsoft SQL Server / Consultant**

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Customize and extend an existing Microsoft Access solution. Originally, four files were imported, the data was refined and then evaluated. The evaluations related to the distribution of the company NEF in Germany. The user interface was already there, realized with Microsoft Access and VBA; this has been made a bit more modern and clearer and the new functionality has been integrated. In the new application, only two files are now imported and the data is evaluated based on the two files. Here, too, the import is carried out using VBA, the user interfaces have been adapted to the two new files and a large number of plausibility logics have been implemented. The evaluations relate to the stocks and the stock values of the individual employees in distribution.

- Customize and extend an existing application.
- Import of 4 Excel files (network).
- Consolidate the data (Excel / VBA).
- Complex calculations in temporary Excel spreadsheets.
- Creation of dynamic result tables.
- Creation of dynamic tables (overviews in the respective tables).
- Integrate complex effort and time calculations.
- Integration of complex financial calculations.

Sep 2019 – Feb 2020  
proj201909022801

Celanese, Utzenfeld

#### **Microsoft Access, VBA, Microsoft SQL Server - Developer / Consultant**

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Maintenance and adaptation of existing applications in Microsoft Access and Microsoft Excel to new business requirements. Documentation of existing applications, clear design of the applications as well as technical documentation and user manuals.

##### **Inventory:**

Complete new solution for the Inventory application for recording the inventory of the two locations Utzenfeld and Wehr. Although the new applications were built on the logic of the existing old applications, the user guidance was implemented in the form of a process. The new application was implemented using Microsoft Access, SQL, VBA.

##### **Labels:**

Adaptation of the label printing shop using List and Label and the associated Access database. Setting up the label printer and commissioning the application. The application was created using Microsoft Access, VBA and Microsoft Access forms as well as various queries implemented using SQL.

##### **Various applications:**

Creation of technical documentation, creation of a user manual, recording of business processes and revision of the existing, partially defective VBA code. About ten applications have been revised in the area of management and production increase.

#### **Evaluations:**

Creation of various evaluations using SQL in the Microsoft SQL server, exporting the data to a Microsoft Excel application and handing it over to the appropriate business unit. These are mainly ad hoc reports or evaluations.

- Adaptation and further development of various Access applications.
- Adaptation and further development of various SQL server applications.

Jul 2018 – Feb 2020  
proj201807022801

UBS AG, CTO, SDLC Host based MS Access development

**Microsoft Access Developer/Consultant – Microsoft Access, Microsoft Excel, VBA, SQL Server, T-SQL, Jira, SAP, Oracle, DWH, Microsoft SQL Server, SSIS, Alterix, Pentaho**

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#### **Project SDLC Reporting**

The project consists of several databases, which contain the necessary tables for importing the data, the queries necessary for refining the data, the macros required for executing the workflow, which in turn are started by the Power Shell scripts, and in turn the functions and procedures, which are called using VBA were developed. Each of these individual databases can be compared with an ETL route. Other databases consolidate the data for reporting on the SDLC reports. Procedure for executing the entire application: Power Shell scripts call up the macros, which in turn call up the complex VBA logic for importing the data and cleaning up the data as well as consolidating the data. The entire application was created using Microsoft Access,

- Developing a host controlled MS Access load of data.
- Loading the tables into Alterix and SSIS, T-SQL.
- Loading the DWH tables.
- Loading the application data (JIRA, RNOW etc.).
- Output and Reporting.
- Build complex workflows with Power Shell.
- Data reconciliation between different applications (DAP/ADO).
- Data synchronization between different applications (DAP/ADO).
- Complex SQL queries in MS Access.
- Import of different data sources.

#### **Project Access2Git**

The aim of this project is to break down the individual Access applications into their objects, save the objects in the form of text files and then import them into Github. It can thus be ensured that the individual objects, which in turn form an application, can be managed properly in one version and source code administration. Of course, objects can also be obtained from the source code management and the applications can be formed from the individual objects. It is also possible to merge objects from different versions into a new version. The entire application was developed using Microsoft Access and VBA.

- Management of the MS Access databases involved (approx. 20 DB).
- Object-related backup and restore of all MS Access databases.
- Object-related creation of the versions and rebuild of the applications.
- MS Access object output to GITHUP.
- Creating the logic using VBA.
- Creating the user interfaces in Access using VBA.
- Creating the input validations using VBA.

#### **Project MA Qualification**

The application is already a dynamic Excel, which carries out various calculations based on the self-assessment of the employees and then carries out a graphic evaluation regarding the self-assessment of the employees of the GROUP CTO

department of UBS AG. The application was developed using Microsoft Excel and VBA. The data is entered manually in a template.

- Creating dynamic tables using VBA.
- Calculating scores using VBA.
- Output of evaluations using dynamic diagrams.
- Synchronization of data using VBA.

### **Project Project Calculation**

The application was realized with Microsoft Excel and Microsoft VBA. Data is loaded from the systems, refined and calculated. Dynamic tables are created in which both hours and costs of the individual bookings of the systems are calculated against the effective figures of the responsible departments. Complex calculations are implemented to create the dynamic tables and to compare the financial data and the time data, and the results are output in various reports, which are exported as individual Excel tables.

- Creating dynamic tables using VBA.
- Calculating financial data using VBA.
- Presentation of the calculated data in the form of dynamic tables.
- Export the dynamic tables as reports for each heads of department and the responsible persons in finance.

Oct 2018 – Oct 2019  
proj201810103101

Leica, Zurich

### **Microsoft Excel, VBA Developer / Consultant – Microsoft Excel, VBA**

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Creation of a time record for the employees of the Leica company in Zurich. Time recording is implemented using Microsoft Excel and VBA. Various working time models are taken into account, such as flexitime, shift work, overtime, weekend working hours and management contracts. The times can be entered manually in Excel and the balances are calculated per month and per year. Of course, public holidays and vacation days as well as special absences such as military service, illness and accidents are also taken into account in the calculation. The application was implemented using Microsoft Excel and Microsoft VBA.

- Development of a dynamic time recording using Excel.
- Integration overtime calculation.
- Integration overtime calculation.
- Compliance with all internal specifications.
- Compliance with all legal requirements.
- Calculation of annual totals.
- Calculation of monthly carryovers.
- Send PDF via email.

Jun 2019 – Sep 2019  
proj201906093001

Thales, Germany

### **Microsoft Excel, VBA Developer / Consultant – Microsoft Excel, VBA**

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Development of a complex project control using Excel and VBA. Project data is read into a template, dynamic tables are created based on the selected period, imported data is refined or serves as the basis for calculations and is then entered into the dynamic tables, which ultimately represent the report for the individual projects. The reports are complex, multi-level tables, which are all created dynamically based on the selected time period. Not only were the tables created dynamically, but the calculations are based dynamically on the selected time periods and are then entered into the reports. After the reports have been created, the TARGET data from the previous month is compared with the ACTUAL data from the previous month and replaced by the ACTUAL data. Thus, a comparison between TARGET and ACTUAL is possible. Realization using Excel and VBA.

- Developing dynamic project budgeting.
- Integration of various sources.
- Calculation of various key figures.
- Integration and comparison of previous month.

Apr 2019 – Sep 2019  
proj201904093002

B-PLUS, Odessa UA

**Developing an e-commerce store- PHP Prestashop, HTML 5**

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Creating a web presence for a distributor of wearable electronics, online sales and an online catalog for partners. Programming different prices for customer groups. Added customer groups such as guest, customer, small wholesale, large wholesale and many more create invoice design for the client and integrate it into the website. Automated generation of invoices in PDF format and sending of the invoice to the customer via e-mail when an order is placed. Facebook ad pixel integrated to acquire potential buyers and optimize ads that are online on Facebook and Instagram. Integrate API for local shipping companies, customer can select warehouse for pickup order, website automatically creates shipping declaration. With this feature, orders are delivered 5 times faster than before. Increased website speed through caching technologies. Mobile friendly theme created and integrated. Easy navigation of the website from mobile for customers.

Project link:<https://b-plus.com.ua/>

- Building an Ecommerce Store for B2B Sales with PrestaShop CMS.
- Integration of B2B business logic into website database.
- Integrate API for XML feed of export products to marketplaces.
- Setting up printable PDF invoices according to B2B standards.
- Integrate a warehouse management system to track inventory levels in to calculate and publish the camps.
- Integrate a partner-level partnership program, determine the associated pricing model for partners.
- Store data in the website database at partner level.
- Automatically generated product feed in XLS XML CSV format.
- Implementation of new payment gateways and logistic APIs.

May 2019 – Aug 2019  
proj201802033101

Loren, Odessa Ukraine

**Developing an e-commerce store- PHP Prestashop, HTML 5**

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Website for offline sales in the B2B segment. Starting online wholesale sales to various business partners. Uploading the product catalog to the website database and updating stock levels. Check stock availability on a request so partners can see quantities and place orders online. API for local shipping company was integrated, customer can choose the warehouse or the pick-up location for the pick-up order, automatic creation of the shipping notification. Orders are delivered or processed 5 times faster. For online collaboration with partners, customers need the ability to share timely production information with partners. Creating a price list generator. Automated product export in real time to the websites of the partner companies.

Project link:<https://loren.com.ua/>

- Building an Ecommerce Store for B2B Sales with PrestaShop CMS.
- Integration of B2B business logic into website database.
- Integrate API for export products XML feed to marketplaces.
- Integration of a Facebook API to add product feeds to Facebook catalogues to export and advertising on Facebook and Instagram accordingly to create the product catalogue.
- Integration of a warehouse management system to keep track of inventory levels in to calculate and publish the camps.
- Integration of a partnership program at partner level, calculation and Creation of price lists for partners.
- Store partnership data in website database at partner level.
- Automatically generate product feed in XLS-XML-CSV format.
- Implementation of new payment gateways and logistic APIs.

Feb 2018 – Mer 2019

Volkswagen, Wolfsburg

**Microsoft SQL Server DWH Developer / Consultant – Microsoft SQL Server T–**

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proj201802033101

## **SQL, SSIS, SCCM**

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The aim of the project is the generation of reports based on a data warehouse to be created, which evaluates the data from Microsoft SCCM. For this purpose, a concept is created and then the relevant data from SCCM is loaded into the data warehouse using ETL routes with Microsoft SQL (T-SQL) and Microsoft SSIS. After loading the data, the Enterprise DWH is created and the entire reporting is implemented using SSRS.

- Development of DWH load procedures using SQL server.
- Loading the staging tables.
- Loading the DWH tables.
- Implementing the VAULT schemas.
- Creation of the ETL processes (stage).
- Modeling of schemes based on business needs.
- Clarifications with the business.
- Loading data from SAP.
- Data processing and data mapping.

Oct 2018 – Nov 2018  
proj201810113001

Mann+Hummel, Speyer, Germany

## **SSIS package analysis for migration from SQL Server 2010 to Microsoft SQL Server 2018 – MSSQL T-SQL, SSIS, ETL**

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Development of a concept for the cost-effective migration of 600 SSIS packages, consisting of an analysis of all existing packages, division of the packages into three groups, subordination of the concept including calculation of the time required for migration, and the development of several options for a cost-effective implementation of the entire migration. The implementation takes place partly with employees in-house, with students and with migration specialists. The concept also takes into account a performance optimization of the individual SSIS packages.

- Analysis of all existing packages (600 SSIS packages).
- Development of a concept for the most cost-effective migration at Taking into account:
  - Performance increase for DWH packages.
  - Migration of SAP packages.
  - Migration of own components.
  - Migration of standard components.
- The 30-page analysis includes the complete procedure for the 600 SSIS Packages.

Apr 2018 – Sep 2018  
proj201804093001

Look At Me, Odessa UA

## **Developing an e-commerce store- PHP Prestashop, HTML 5**

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Online sale of a clothing factory based in Ukraine. Creation and integration of a product catalogue. Publish the product information such as color, size, material, etc. The customer can choose any combination of these product properties. These chosen parameters are stored in the website database. These parameters determine the properties and appearance of the product and therefore one or more photos must be stored for each possible combination of these parameters. Publishing product videos and publishing on the website. Integrated API for fast shipping of the ordered products. The shipping company will be notified of the purchase. Wholesale customers can generate and upload lists to create an order. Increased website speed through caching technologies. Mobile-friendly design integrated. Easy navigation ensured.

Project link:<https://lookatmeofficial.com.ua/>

- Product catalog with combinations of colour, size, material etc.
- Add product videos.
- Shipping API integrated.
- Customer can change all data with content management system.
- Integrate YouTube videos into the website.

- Integrated quick order functionality.
- Function for loading order lists.
- Customers post reviews to promote products.
- Slider can display products by categories and brands.

Apr 2018 – Sep 2018  
proj201804093002

Maxistoys, Odessa UA

#### **Developing an e-commerce store- PHP Prestashop, HTML 5**

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Online distribution of children's toys. Functionality to import product catalogues. Design can be changed using the administration page. Simple backend system allows quick adding of products and product categories. Used CMS PrestaShop with all e-commerce needs like product catalog stock levels, special prices, customers and customer groups, customer care system, orders, order status, shipping and payment options. Added quick order functionality: Customer only deposits phone and name and does not need to place a long order. Integration of a process for registering and entering the shipping address and payment information. Customers can be contacted by phone and questions about the order can be clarified easily. Integrated Facebook advertising pixel, that tracks potential buyers and optimizes ads running on Facebook and Instagram. Increased website speed through caching technologies. Mobile friendly design. Easy navigation on the website via mobile phone. Providing multiple views increases conversion rates. Merchants can provide multiple product views.

Project link:<https://maxistoys.com.ua/>

- CMS PrestaShop latest version.
- Easy management of the product catalog by the admin.
- Dynamic galleries and element animations with JavaScript.
- Online shop with database for products, orders, customers etc.
- Mobile friendly design.
- Integrated quick ordering option.
- Customers, customer groups and customer support functions.
- Google search console integration.
- Website caching.

Apr 2018 – Sep 2018  
proj201804093003

Squillace Italian brand, Kyiv UA

#### **Developing an e-commerce store- PHP Prestashop, HTML 5**

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Italian company Squillace needs a website for their new office in Ukraine. To show the entire product creation process, a script with dynamic photo galleries, the integration of the product database and an automated ordering process was integrated. Product variants such as size-dependent products and their stock quantities have also been integrated. Updating gallery products and changing website texts can be done directly on the page, integration of Facebook Pixel, uploading product catalogs for Facebook advertising. Creation of advertisements of the products in Facebook and Instagram. Integration of Google Analytics to optimize advertising costs.

Project link:<https://squillace.com.ua/>

- Brand website with article gallery and online shop.
- Programming a back-end system for easy addition of news and articles.
- Dynamic galleries and element animations with JavaScript.
- Online store with database for products, orders, customers.
- Modern design integration in WordPress CMS.
- Integrate YouTube videos into websites.
- Integration of product variants such as size.
- Facebook pixel integration.
- Integration of Google Analytics.
- Website speed increased by caching technologies.
- Integrated Google Maps.
- Optimized code for fast web page loading.
- Cross browser compatibility.
- Google search console integration.

- Website caching.

Apr 2018 – Sep 2018  
proj201804093004

Alike, Kyiv UA

### **Developing an e-commerce store- PHP Prestashop, HTML 5**

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Creation of an online store for the sale of baby care products. Launch of ads on social networks to increase awareness of the new National brand. Integration of the company's corporate design into the website. Lots of tasks with a styling block to implement the corporate design on the website. Integration of a new design concept. Integration of the product data into the website database. Sales or bills from sales are automatically sent to the national taxi service. Due to customer feedback on YouTube, video reviews are integrated into the website. Payment Gateway has been integrated for easy payment of purchases using Visa or Master Card. Stock levels and product availability are synchronized with the production database and updated in real time,

Project link: <https://alike.com.ua/>

- Production synchronization with the company database.
- Mobile-friendly design integration using the latest JavaScript technologies.
- Dynamic animations with JavaScript.
- Online store with a dynamic database of products, orders, customers.
- Integration of quick buy function to save quick orders in the website database.
- Implementation of new payment gateways and logistic APIs.
- Integrating the API for the XML feed.
- Built-in website builder feature to change design by users in the visualBuilders.
- Price calculation script depends on member group, order quantity etc.
- Optimized code for fast page loading.
- Cross browser compatibility.
- Google search console integration.
- Website caching.

Dec 2017 – Jun 2018  
proj201712063001

UBS Card Center, Glattbrugg

### **VB Developer – VB 6.0, Oracle, SQL, Pentaho**

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Extension of the existing application for the onboarding of new customers in the UBS AG Card Center. New legal templates are being implemented with regard to reporting (VDB16 guidelines for credit cards). The application was written in Microsoft Visual Basic 6.0 and the backend is an Oracle database. Various new forms are generated and the logic is implemented using Visual Basic 6.0 and SQL. It must be ensured that the new implementations do not affect the existing logic. The new forms are integrated into the existing application, tested and documented.

- Implementation of the VDB16 guidelines in the CORE onboarding system.
- Creation of the concepts.
- Requirement Engineering.
- create plan.
- Implementation of the requirements in Visual Basic 6.0 / Oracle.

Nov 2017 – Jun 2018  
proj201711063001

Aphrodite, Kyiv UA

### **Migration of a website – Prestashop, PHP, CMS**

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Migration of an existing website to the latest version. Relatively complex migration because the versions are far apart. For this reason, all data and scripts that are used have been migrated to the new version one by one. Backup of all database data: Customers - addresses, discounts, customer groups, product data - product properties such as volume, size, etc. Product descriptions, product prices, special product offers, product quantities Order data - orders, shopping carts, order assignments. Creating a script to adapt and upload the data to the new version of the page engine. Then rewrote all scripts for e-commerce, such as payment gateways, shipping API, ordering process, etc. Test the new version on the subdomain test site and put it online.

Project link: <https://aphrodite.ua/>

- Migration of all data like customers, products, orders, sales etc.



- Migrate from PrestaShop v1.5 to PrestaShop 1.7.
- Migration of all database data.
- Add new design on frontend.
- Write migration scripts.
- Adding new features to the CMS in the backend.
- Adding adaptive theme for mobile devices.
- Implementation of new payment gateways and logistic APIs.
- Integration the call tracking system.
- Optimized code for fast web page loading.
- Cross browser compatibility.
- Google search console integration.
- Website caching.

Nov 2017 – Feb 2018  
proj201711022801

bs4y, Seon Swiss

### **Developing a website - PHP Prestashop, HTML 5**

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Company portfolio website. The modern design includes many dynamic elements on the website. Technologies used by jQuery, Animate, Bootstrap, Framework. Dynamic galleries, sliders, animations used to implement the design on the website. For easy management of the website content, the CMS WordPress was used to add new projects to the portfolio and edit existing projects. On the contact page, Google Maps has been integrated with the office locations.

Project link:<http://bs4y.ch/portfolio/>

- Design and programming of portfolio website.
- JavaScript galleries and slider animation.
- Dynamic galleries and element animations with JavaScript.
- Portfolio Management System.
- Theme integration in WordPress CMS.
- Frameworks jQuery, Bootstrap, Animate.
- Integrated Google Maps.

Jan 2017 – Nov 2017  
proj201701113001

Buehler, Uzwil (40% - 60%)

### **Microsoft SQL Server Admin and ETL Developer – Microsoft SQL Server, T-SQL, Admin, Pentaho**

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The Bühler company operates 2000 SQL servers worldwide. The main task in this project was to administer this SQL server in a ticket-oriented manner. This in a team of three employees who were responsible for the administration of this 2000 Microsoft SQL Server. Among other things, the following activities were carried out:

- Install and configure SQL Server.
- Configure SQL Server databases and storage.
- Plan and implement a backup strategy.
- Restoring databases from backups.
- Import and export data.
- Monitoring the SQL Server.
- Tracking SQL Server activities.
- Managing SQL Server Security.
- Undertaking ongoing database maintenance and database optimizations.
- Automate SQL Server maintenance with SQL Server Agent jobs.
- Configure database mails, alerts and notifications.
- Installing SQL Server Virtual Cluster.
- ticket processing.
- SSIS, SSAS, and SSRS installations.
- Creation of various concepts in the area of Microsoft SQL Server.
- Requirement Engineering.
- Loading and cleaning data using T-SQL.
- Creation of the ETL processes using SSIS packages or T-SQL.
- Data refinement and data mapping using T-SQL.
- Loading the data into the surrounding systems.

Oct 2016 – Aug 2017  
proj201610083001

Dresskod Shop, Odessa Ukraine

### **Developing an e-commerce store - PHP Prestashop, HTML 5**

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Creating an online store for a clothing store. Define the hosting plan for the website and upload the website engine to the hosting server. Creating a MySQL database that stores all information about products, customers, registrations, etc. Creation of the design for the website and the shop. Upload and install the template, customize the template to the client's needs. Programming of all required functions.

Project link: <https://dresskod-shop.com.ua/>

- Building an Ecommerce Store with PrestaShop CMS.
- Install SSL certificate by domain name on the server.
- introduction of a discount system,
- Calculate taxes, different prices depending on location.
- Showcase products, discounts and prices based on location.
- Well optimized in combination with a server.
- Uploading product feeds for dropshipping customers.
- Maintain product details in the database and add new properties.
- Automatically import products from supplier database scripts.
- Detect visitor location and automatically display voice and currency of visitors.
- Online chat integration.
- Optimized code for fast web page loading.
- Cross browser compatibility.
- Google search console integration.
- Website caching.

Sep 2016 – Jun 2017  
proj201609063001

Amagami Sushi, Odessa Ukraine

### **Developing an e-commerce store - PHP, HTML 5, CSS3**

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Creating a web shop for groceries, fast delivery of the groceries. Database for orders with a fast order processing and fast delivery. Fast order processing is very important because the products are perishable. The aim is to reduce the time for order processing as much as possible. Integration of processing invoice stickers and printing on thermal paper. A web program created in PHP retrieves the data from the database and prepares the invoice document with a predefined layout for the 58 mm paper used in the POS printer. All the special offers that the company makes for its customers have been integrated into the website.

Project link: <https://amagami.od.ua/>

- Website developed for online sushi restaurant.
- Setting up the website on the server and connecting to the database.
- Build API to send notifications to customers that a Restaurant works online.
- Database of imported products with ingredients for profit calculation.
- Script for CMS to easily create orders from call with 1 click add to.
- Create discount program in database with promo codes.
- Create templates for small bills to be printed on POS terminals.
- Storage of all order data in the website database also for not online orders.
- Map of delivery zone created with Google Maps API.

Feb 2017 – May 2017  
proj201602053101

TopKrok, Odessa Ukraine

### **Developing an e-commerce store- PHP Prestashop, HTML 5**

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Full-featured online store for selling shoes. Product Catalogs. Customer registration and support system. Orders and order status. Shopping venture. Fast order. Easily manage website content. Create, edit or delete products. Manage the content of the main page. Adding and deleting payment options on the website. Add shipping methods. Product catalog with a filter by color, size, material, collection.

Project link: <http://topkrok.com.ua/>

- Creating an e-commerce webshop with PrestaShop CMS.
- Install SSL certificate on the server.
- Implement discount system.
- Adaptive design for mobile devices.
- Integration of warehouse management systems.
- Product Filter.
- Customer accounts can include orders, addresses, personal information administer.
- Wishlist function for customers.
- Compare products.
- Inventory management features such as item tracking.
- Easy export and import of data in CSV format.
- Automation of customer emails.

Jan 2017 – Apr 2017  
proj201701043001

Alfeyclub, Moscow Russia

### **Creating a web page – HTML 5, CSS3**

Website for a healthcare company. All advertising services are integrated directly from the website. Each interaction of the user is registered in order to analyze the effectiveness of the advertising. Implementation using HTML5, CSS3, JavaScript. Increase in online sales. The integration of the Google advertising services led to good results and increased sales.

- Create a simple website with a design concept.
- Adding visual styling for Website Blocks using CSS3.
- Add BOOTSTRAP 4 frame style.
- Adaptive design for mobile devices.
- Add jQuery framework for animations of website elements.
- Optimized code for fast web page loading.
- Cross browser compatibility.
- Google search console integration.
- Website caching.

Feb 2017 – Mar 2017  
proj201702033101

ElipsLife, Opfikon

### **Microsoft SQL Server DWH Developer – T-SQL, ETL**

Creation of ETL paths for filling the ElipsLife financial data warehouse. The tables of the data warehouse are filled first in the stage area and then, after the transformation has taken place, in the area of the data vault data warehouse. Both the Stage database and the data warehouse are populated by calling stored functions implemented in T-SQL. Since the data warehouse is a data vault scheme, the data warehouse tables are filled according to precise rules. Only one statement is provided for filling the hub, link or satellite. All three are always filled in the same way, only the names of tables and attributes change. The task is to write dynamic stored procedures for filling these tables, to test them, to be documented and integrated into the system. The development is implemented using Microsoft SQL Server 2016 and Microsoft T-SQL. Some functionalities are implemented using Microsoft SSIS packages; these are also tested and documented.

- Development of DWH load procedures using SQL server.
- Loading the DWH tables.
- Implementation of the STAR and the VAULT scheme.
- Creation of the ETL processes (stage).
- Modeling of schemes based on business needs.
- Clarifications with the business.
- Loading data from SAP.
- Data processing and data mapping.

Nov 2016 - Mar 2017  
proj201611033101

Velurs, Odessa Ukraine

### **Developing an e-commerce store - PHP Prestashop, HTML 5**

Creating a fashion online store. Using a theme created with PrestaShop stores, colors, fonts, images, etc. can be easily modified. Implementation of a special theme design to

make the shop unique. Integrating customer-chosen plugins to display daily online store specials, a product gallery, related products, a product zoom, a quick view, endless scrolling, tiled product layout, image sliders, videos, a search bar, review blocks, the ability to select from multiple languages, and to choose currencies, and to view other programs such as Google Maps. All integrations were made based on the needs of the client.

Project link: <https://neolines.com.ua/velurs/>

- Building an Ecommerce Store for B2B Sales with PrestaShop CMS.
- Automatic scripts to export product data to business partners.
- Creation of business partner profiles in the database.
- Create layers for company profiles.
- Add special business offers depending on the business profile.
- Store all additional data in the shop database.
- Script for automatic price display language currency dependent from the visitor country.
- Calculate the shipping prices to the destination country depending on the package weight.
- Integrate adaptive design for visitors on mobile devices.
- Automatically generated product feed in XLS XML-CSV format.
- Built-in real-time analysis: net margin, orders, traffic.
- Shipping configuration and partnerships.
- Showcase products, discounts and prices based on location.

Oct 2016 – Jan 2017  
proj201610013101

Raiffeisen Bank International, Vienna

#### **PostgreSQL Developer - Postgres SQL, Pentaho and SQL**

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The project primarily involves the creation of complex dynamic queries in the area of reporting. These are implemented using a Postgre database and PostgreSQL. It is primarily about the creation of ad hoc reports and evaluations, which are triggered by jobs in an automated and time-controlled manner. The project implements the state requirements regarding the reporting system and the result is the data required by the state regarding the reporting system for banks.

- Creation of very complex dynamic queries to prepare the data for the reporting system, the obligation to report account transfers to the to guarantee the Austrian state.

May 2016 – Sep 2016  
proj201605093001

Viessman, Odessa Ukraine

#### **Developing an e-commerce store - Wordpress, HTML 5, CSS3**

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Creating a website for a company to give future partners an overview of the company and its services. A website with a modern design is being implemented. The website was created in such a way that the company's employees could change its content directly on the site. The article structure was set up in such a way that news and texts could be recorded for the respective articles and advertising campaigns could be triggered. Various advertising campaigns were launched. In addition, the Google API has been integrated to analyze visitors and increase the efficiency of advertising.

Project link: <https://viessmann.od.ua/>

- Website creation for companies of the Viessmann Center in Ukraine.
- Creation of websites based on a design concept.
- Upload website files and database to own company server.
- Setting up a company server to run on the web using a domain name.
- Creation of an easy to understand management system for the website.
- Integration of Google Analytics for ad analysis.
- Optimized code for fast web page loading.
- Cross browser compatibility.
- Google search console integration.
- Website caching.

Apr 2015 – Sep 2016  
proj201504093001

Swiss Life, Zurich

**Microsoft SQL Server Developer – T-SQL, SSIS**

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Creation of ETL routes for filling the internet platforms of the company Swisslife. The tables are filled on the one hand from the databases behind the Internet platforms, but on the other hand also from the data in the data warehouse. Depending on the data source, a preload or a load is carried out first using stored functions in T-SQL. The data is then transformed for the first time and loaded into the load structure. The data is then refined or transformed a second time and the data transformation is carried out using complex stored functions. After that, the data is loaded into the Internet databases on the one hand and into the data warehouse on the other hand, taking the key values into account. Task is to write dynamic stored procedures to populate these tables, to test, document and integrate them into the system. The development is implemented using Microsoft SQL Server 2012 and Microsoft T-SQL. Some functionalities are implemented using Microsoft SSIS packages, which are also tested and documented.

- Requirement Engineering.
- Creation of the concepts.
- Extending and creating the data models.
- Extraction and loading of all data for the internet portals MyLive and MyWorld.
- Creating SSIS packages.
- Creation of Stored Procedure (T-SQL) for transforming the data.
- Data preparation is continuously adapted to the new needs of reporting adjusted.

Oct 2012 – Jan 2016  
proj201210013101

Bohmann-Laing, Garrel

**DWH/BI Developer/Consultant – Microsoft SQL Server, SQL, T-SQL.**

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Creation of a data warehouse as a management tool for retirement homes and nursing homes. For this purpose, functions stored in Microsoft SQL Server are written using T-SQL, which extract the data from various sources, the extracted data is refined or transformed and then brought into the right structure to fill the standing schema of the data warehouse to be able to The cubes are then formed using SSAS and a report set is set up on the cubes using SSRS. The ETL routes are developed using T-SQL and SSIS as stored procedures. The cube is developed and assumed using SSAS and the reporting is created using SSRS.

- Project: Analysis of a DWH, implemented using SQL Server (SSIS, SSAS, SSRS).
- Requirement engineering and creation of the concept.
- Creation of the ETL processes (SSIS).
- Building the Cubes (SSAS).
- Creation of reports and ad hoc evaluations (SSRS).
- Training internal SQL developers to create ETL processes, Cubes, evaluations and reports.
- Creation of a concept for the application COZY (new CURALYS).
- Windows application using C#.
- Evaluations with tableau.

Jul 2015 – Dec 2015  
proj201507123101

Restart Apple Service Point, Odessa Ukraine

**Bitrix developer – Java Script**

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Further development of a website with a Bitrix CMS. New functionalities for the business have to be integrated into the website. Dynamic JavaScript is used for this. The aim is to manage customer requirements for the company's products and services. The company deals in mobile phones and offers all services related to its products. For example, if a customer wants to repair or sell their phone, they can do this quickly and easily using the expanded functionality on the website. For example, he can define the device and the date of purchase and the website calculates the price when the device is sold. Repair orders are also triggered via the website. The customer can select his device type and select the corresponding defect from a catalog of defective ones. The price for the repair and the duration of the repair are shown to the customer directly on

the website. In addition to the repair catalogue, price catalogs are also stored because customers can not only sell old devices via the website, but can also buy devices that have already been sold via the website. All actions can be defined in terms of time.

- Integration of dynamic scripts.
- Automatic device suggestion according to the input information.
- Calculate recovery price for selected Apple device.
- Calculating the value of the device depending on the parameters due of user inputs such as model, year, battery capacity, screen status, device status, etc.
- Specify the date on which the customer will contact the service point becomes.
- Send notification to email or SMS.
- Optimized code for fast web page loading.
- Cross browser compatibility.
- Google search console integration.
- Website caching.

Sep 2013 – Dec 2015  
proj201309123101

IBM Switzerland, Basel

#### **ETL Developer - Microsoft SQL Server, T-SQL, SQL**

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This project is about loading IBM Europe's customer data into the appropriate databases. This is done using stored functions, which are implemented in T-SQL. Parallel to the implementation using stored procedures, various ETL routes are also being developed using SSIS. The application already exists and new customer requirements are being integrated.

- Requirement Engineering.
- Creation of the concepts.
- Responsible for extracting and loading all European customer data.
- Data is extracted from various data sources using SSIS and loaded onto the DWH without transformation.
- After loading, the data is stored using stored procedures (T-SQL). prepared for reporting.
- Data processing is continuously adapted to the new needs of reporting.
- The same applies to the underlying database schema.
- Creation of the reports using Cognos.

Apr 2014 – Apr 2015  
proj201404043001

Deutsche Bank, Frankfurt

#### **Leaver Tracker - Microsoft SQL Server, Microsoft Excel, VBA**

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Creation of an application using Excel to calculate the cost savings from downsizing at Deutsche Bank. Not only are labor costs taken into account when calculating savings, severance pay, additional payments and any other additional costs that are incurred are also taken into account. The data calculated in this way is made available in various reports for senior management. The application is implemented using SQL Server as the data source and Microsoft Excel as the reporting tool. The application was programmed using Microsoft T-SQL and SQL as well as Microsoft VBA. It was important to ensure that all legal requirements were met.

- Creating the application for monitoring the opex initiative Deutsche Bank in Frankfurt.
- The aim is to reach 4.5 billion by the end of 2015 through staff reduction/optimization save euros.
- The Leaver Tracker application monitors all necessary processes.
- Monitoring of Deutsche Bank's OPEX program.
- Application development (VBA, Excel, T-SQL) with SQL server.
- Data sources (ETL, SSIS, T-SQL), DWH (SQL Server, Cognos).
- Creation and extension of the data model (DeZign).
- Documentation of the data flow and the application.
- Creation of specifications for new requirements and their implementation in the development team.
- Integration Services (SSIS).
- Integration Services (ETL).

- Data refinement T-SQL
- Data mapping T-SQL.
- VBA application development including client/server solutions with MS Excel.

Jun 2013 – Apr 2015  
proj201306043001

Raiffeisen Bank International (BAT), Vienna

**PLA MAVOS Member Project Management Committee – PMO, PL**

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Responsible: to plan, coordinate and control the project efficiently. Traditional instruments such as network planning technology, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

- Use of project management standards.
- International multi-project management.
- Creation of complex concepts
- Business process analysis and design, project planning and control and - control (project progress, milestones, quality and costs, Project coordination, contractual service description, cost / benefit analysis, resource planning, risk analysis).
- Moderation of discussions between project participants (project communication)
- Carrying out target group-specific presentations at different locations (management levels)
- Project Reporting Management
- Comprehensive IT knowledge (IT architectures, web services)
- knowledge of foreign languages.

Jun 2013 – Apr 2015  
proj201306043002

Raiffeisen Bank International (BAT), Vienna

**Project Management / Program Manager, SLA Manager**

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Responsible: to plan, coordinate and control the project efficiently. Traditional instruments such as network planning technology, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

- Use of project management standards.
- International multi-project management.
- Creation of complex concepts
- Business process analysis and design, project planning and control and - control (project progress, milestones, quality and costs, Project coordination, contractual service description, cost / benefit analysis, resource planning, risk analysis).
- Moderation of discussions between project participants (project communication)
- Carrying out target group-specific presentations at different locations (management levels)
- Project Reporting Management
- Comprehensive IT knowledge (IT architectures, web services)
- knowledge of foreign languages.

Jan 2015 – Mar 2015  
proj201501033101

Balani, Odessa Ukraine

**Developing an e-commerce store - PHP Prestashop, HTML 5**

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Implementation of a large e-commerce project for a company with a customer base of over 20,000 customers and 400 orders per day. Product catalogs count over 30 categories and more than 8000 products. In a first version, three different languages are integrated, these are English, Russian and Ukrainian. 4 currencies were made available for payment and 12 different shipping options and 10 payment options were integrated. Order tracking is implemented and in addition several administration permissions such as admin, content editor, billing, scheduling, reporting, comment moderator, trusted commenter and shop manager are integrated. Creation of a script for inventory

management and easy finding of products in the warehouse. Calculate inventory levels. Automatic triggering of ordering processes when a certain number of a product in the warehouse is not reached.

Project link:<https://neolines.com.ua/balani-2/>

- Building an Ecommerce Store with PrestaShop CMS.
- Install SSL certificate by domain name on the server.
- Introduction of a discount system.
- Calculate taxes, different prices depending on location.
- Maintain product details in the database and add new properties.
- Automatically import products from supplier database scripts.
- Recognize visitor location and automatically display language and currency of the visitors.
- Automatic order export for warehouses for fast order processing processing.

Jan 2015 – Mar 2015  
proj201501033101

Grace Boyer Cosmetics, Santiago de Chile

### **Developing an e-commerce store - Wordpress, HTML 5, CSS3**

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Creation of a website for the distribution of beauty products. Products are presented using product catalogues. Creating a website with the jQuery framework, integrated product categories, product descriptions, product images. The simple structure enables the company's employees to adapt the website easily and quickly and to enter new products and product information easily. Additional functionalities related to item management allow for easy addition of messages and definition of specific promotions. Various animations provide good information about the individual products. The design is integrated and implemented using the Bootstrap 4 framework. The built-in Hover.CSS is a collection of CSS3-powered hover effects that you can apply to links, buttons, logos, SVG, Images and more are applicable. In addition, the Google API Map is integrated on the website.

Project link:<https://neolines.com.ua/graceboyer/>

- Set up the WordPress engine.
- Integrate your own design template into WordPress.
- Adding JavaScript sliders, animations.
- Linking profiles of social networks Facebook, Instagram.
- Integration of PDF catalogs with production directly on websites.
- Integration of Google Analytics Google Maps into the website.
- Programming of HTML views for different countries.
- Importing product data into the database.
- Optimized code for fast web page loading.
- Cross browser compatibility.
- Google search console integration.

Feb 2014 – Aug 2014  
proj201402083101

Swisscom, Berne

### **Import Cisco price list – Microsoft Excel, VBA**

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Implementation of an application to standardize the CISCO price lists using Microsoft Access and Microsoft Excel for the strategic purchasing of Swisscom in Bern. The decisive factor for this project was the fact that the CISCO company sometimes ended both the structures and the field formats of its price lists on a weekly basis. The aim was therefore to generate an application that can process these price lists automatically. This processing must also be able to take place if Cisco has changed the formats or the price list structure. For this reason, a small ETL tool was developed using Access, which checks the files before import, standardizes them automatically as far as possible and, if automated standardization is not possible, informs the responsible users by email.

- Creation of a Microsoft Access application for importing / processing large amounts of data.



- The import can be fully parameterized (fields, data types, source and target information).
- After the data has been imported, it is refined and stored in a Microsoft Template issued according to certain criteria and calculation formulas.
- The entire process is fully parameterizable and automated.
- Development of the application (Access, VBA) with CSV data sources.
- Creation and extension of the data model (DeZign).
- Documentation of the data flow and the application.
- Creation of specifications for new requirements and their implementation.
- Application development including client/server solutions with MS Access.
- VBA.

Jan 2014 – Apr 2014  
proj201401043001

Postbank, Bonn

#### **Data Management - Microsoft Excel, Microsoft Access, VBA**

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Participation in the project team of a large rollout at Postbank. The goal was to monitor the Windows migration of the entire Postbank. For this purpose, several applications were implemented using Microsoft's SQL server and using Microsoft Excel and Microsoft Access. Status files were imported, status data was evaluated and a consolidated status could be published daily. This made it possible to monitor the large-scale project. Of particular interest were the emigrated computers and the software that was on the individual devices. Not only the migration of the standard software was monitored, but also the migration of special programs, some of which were manually migrated to the new environment. Status files in Microsoft Excel or status files created from Microsoft Project served as data sources,

- MS Access and VBA development to monitor stadiums for a large infrastructure project.
- Reading the data from the various Postbank systems.
- Based on the data analysis, the current status of the migration work to be determined.
- Microsoft Access application developed.
- Import of various files from Postbank systems.
- The data is refined and then evaluated.
- Daily tranches are formed with the jobs to be migrated.
- The migration of the individual jobs is monitored.
- Jobs may only be migrated if they meet certain rules suffice.
- Creation and extension of the data model (DeZign).
- Documentation of the data flow and the application.
- Creation of specifications for new requirements and their implementation.

Sep 2012 – Jan 2013  
proj201209013101

Liebherr, Germany

#### **Migration DWH from Cognos 7 to Microsoft SQL Server**

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The aim of the project is the migration of a Cognos data warehouse to Microsoft SQL Server. The ETL routes were implemented using stored procedures in T-SQL or SSIS packages were created. The data cubes were implemented using SSAS and the reports were realized using SSRS. In 2012, the entire Cognos data warehouse was converted or migrated to Microsoft SQL Server. The task was to provide the Liebherr database developers with appropriate support and training so that they could successfully implement this migration. In special cases, there was also corresponding development work on more complex tasks that the teams could not solve.

- Requirement engineering and creation of the concept.
- Advice and training of internal employees on the conversion of a Cognos DWH to a Microsoft SQL Server DWH.
- Creation of the ETL processes (SSIS and T-SQL).
- Building the Cubes (SSAS).
- Creation of reports and ad hoc evaluations (SSRS).

## Further MICROSOFT projects (1990 – 2012)

12/2012 – 12/2012 proj201212123101	Tandura Treuhand, Solothurn, <b>Graphic embedding - Microsoft Word, Microsoft Excel, VBA</b> <hr/> Creation of an application using Microsoft Word, Microsoft Excel and VBA to present the annual accounts of the individual customers of Tandura Treuhand AG. These degrees are calculated using VBA and clearly displayed in the form of graphic diagrams in Microsoft Word. The calculations are supplied as an attachment in Microsoft Excel.
06/2012 – 09/2012 proj201206093001	MTM Aerospace, Germany <b>SAP interface, – .NET, WCF</b> <hr/> Creation of an interface between Microsoft Project Server and SAP for the automatic synchronization of data from SAP to the Microsoft Project Server. The system is developed using .NET and its extended tools.
06/2011 – 08/2012 proj201106083101	It-gr GmbH, Feldbrunnen <b>Acquisition software - Microsoft Access, VBA, SQL</b> <b>Dual role as project manager</b> <hr/> Creation of an accreditation software for the company it-gr GmbH, which automatically supported the company with the activation of projects. The Access application searched the Internet on various platforms for suitable projects, evaluated the competing offers and thus made it possible to submit an optimal offer. The system was developed using Microsoft Access, VBA and SQL.
12/2010 – 08/2011 proj201012083101	Fischer, nine-high form <b>Forex software - Microsoft Access, VBA, SQL</b> <hr/> Creation of a foreign exchange software using Microsoft Access, which displayed the smallest exchange rate changes in real time and triggered corresponding actions depending on the exchange rate changes. The system was developed using Microsoft Access, VBA and SQL.
10/2009 – 11/2009 proj200912113001	Sulzer Metco, Wohlen <b>Chart Sulzer Metco - Microsoft Access, VBA, VB 6.0</b> <b>Dual role as project manager</b> <hr/> Creation of an Adin using Microsoft VB 6.0 to provide and calculate graphic diagrams, in which complex interpolations are calculated to complete the diagrams. The add-in was developed for a Microsoft Access database from Sulzer Metco and is used in forms and reports in the Microsoft Access application.
04/2007 – 10/2009 proj200704103101	Kisotec AG, Zurich <b>Kisotec K3 Software – Microsoft Access, VB .NET, SQL</b> <b>Dual role as project manager</b> <hr/> Implementing software to manage a restaurant's kitchen. This software isn't about managing a restaurant or a hotel, it's about managing all areas in and around the kitchen. Microsoft Access serves as the backend and the frontend is implemented using VB .NET.
05/2007 – 11/2007 proj200705113001	Converium AG, Zurich <b>SQL server and DWH developer – T-SQL, SQL, DWH, SSIS, SSRS</b> <hr/> Integration of various risk calculations and risk analyzes in cooperation with the actuaries of the company Converium (large reinsurer, today SCOR) in the form of stored procedures in SQL server. Implemented using T-SQL and SQL.
08/2006 – 04/2007 proj200608073101	Credit Suisse, Berne <b>Data model for proof of own funds – Microsoft SQL Server, ERWIN</b> <hr/> Creation of the relational data model or transfer of the logical data model into the

physical data model for the Microsoft SQL Server database regarding the own funds statements of the company Credit Suisse, implemented using ERWIN.

05/2005 – 12/2008  
proj200505123101

Sysrom, Beckenried  
**CAD drawing management – C++, VB .NET**  
**Dual role as project manager**

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Creation of an application for the management and visualization of the drawings created using the in-house CAD application. The integration designations are made using a DLL written in C++, the implementation of the application using Microsoft Access as a database and VB .NET for the implementation of the logic and the user interfaces (front end).

04/2005 – 07/2005  
proj200504073101

Zurich Insurance, Schlieren  
**ZFS - Microsoft Access, VBA, Microsoft Excel, SQL**  
**Dual role as project manager**

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Creation of the ZFS application for managing Zurich Insurance tickets. An MS Access solution serves as the database and the front end and the forms are implemented using Access Forms and VBA. Logic is also implemented using VBA.

07/2004 – 06/2005  
proj200407063001

Fuchs group, Aarau  
**Microsoft SQL Server Development - SQL, T-SQL**  
**Dual role as project manager**

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Support for the Fuchsgroup company in the realization and implementation of requirements in the area of Microsoft SQL Server developments, regardless of the application. Complex stored functions and complex dynamic SQL statements are implemented.

02/2004 – 12/2005  
proj200402123101

t-cos GmbH, Feldbrunnen  
**Justinian - Microsoft SQL Server, Microsoft Access, VBA, T-SQL**

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Implementation of a performance record for the company t-cos Feldbrunnen. In a first prototype, Microsoft Access is used as the database, the user interfaces are already being developed in this prototype using VB .NET. In version 2, the Microsoft Access database is replaced by a Microsoft SQL server and much of the logic is transferred from the user interfaces to the backend in the form of stored procedures and functions.

07/2004 – 10/2004  
proj200407103101

Hörservice AG, Zurich  
**Microsoft SQL Server Development - T-SQL, SQL**  
**Dual role as project manager**

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Support for Hörservice AG in the realization and implementation of requirements in the area of Microsoft SQL Server development, regardless of the application. Complex stored functions and complex dynamic SQL statements are implemented.

09/2004 – 12/2004  
proj200409123101

Swiss Life, Zurich  
**Budget calculation – Microsoft Access, VBA**

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Creation of a budget calculation for the individual areas of the company Swiss Life in Zurich. Data is imported from files, refined and completed, calculated and output in the form of reports in Excel. The application is implemented using Microsoft Access, SQL, VBA and Microsoft Excel. A corresponding application is made available for each group region and group area.

01/2004 – 03/2004  
proj200401033101

Worldspan, Zurich  
**Template management – Microsoft Access, Office, VBA, VB 6.0**  
**Dual role as project manager**

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Creation of a template administration using Microsoft Access as backend and Visual Basic 6.0 as frontend. Templates for the applications Microsoft Word, Microsoft Excel, Microsoft PowerPoint and Microsoft Publisher are managed. The templates are managed in multiple languages and the management is user-related. The application is implemented using Microsoft Access, Microsoft VB 6.0 and SQL.

01/2003 – 12/2006

UBS AG, Zurich

proj200301123101	<b>Database compiler for Microsoft SQL Server – SQL, T–SQL</b> <b>Dual role as project manager</b>
	Prototyping a database compiler capable of converting process-oriented flow structures and flowcharts into stored functions. The application is used to enter the signatures of the employees regarding the legal templates in the commercial register. A rule management of over 2000 active rules is taken into account when registering employees. Not only the database compiler is ordered, but also various auxiliary programs, which are necessary for the automated process from the e-mail to the published signature on the Internet. The application is implemented using Microsoft SQL Server, SQL, T SQ, .NET and C#.
01/2003 – 10/2004 proj200301103101	Swisscard AECS GmbH, Horgen <b>Development Microsoft SQL Server - SQL, T-SQL, VBA</b>
	Support for the company Swiss Card in the realization and implementation of requirements in the area of Microsoft SQL Server developments and all VBA Microsoft applications (Access, Excel, Word, Project ...), regardless of the application. Complex stored functions and complex dynamic SQL statements, Excel evaluations, access tools and much more are implemented
04/2002 – 09/2002 proj200204093001	SIZ, Schlieren <b>Teaching SIZ and exam expert</b>
	Lessons at the SIZ in the field of Microsoft applications such as Microsoft Excel, Microsoft Word, Microsoft PowerPoint and Microsoft Access. The lessons cover everything related to the programs, from installing the program and using the program to programming simple and complex functionalities using Microsoft VBA. Additional assignments as an examination expert for the SIZ final examination.
03/2002 – 06/2002 proj200203063001	Adecco, Wallisellen <b>Folder filing system – Microsoft Access, VBA, Microsoft Excel, Microsoft Word</b> <b>Dual role as project manager</b>
	Creation of an application for managing folders using Microsoft Access for the corporate management of the Adecco company. The folder, its contents, the storage location in the form of the shelf and the exact location on the shelf are catalogued. An interface for the import of existing Excel files is implemented. The application is developed using Microsoft Access and VBA.
09.2001 – 07.2002 proj200109073101	Philip Morris, Lausanne <b>Laboratory data acquisition – Oracle, Microsoft SQL Server, T–SQL</b>
	Documenting all Microsoft SQL, Oracle and Microsoft VBA applications for Philip Morris labs. The inventories of the applications were recorded and both technical documentation and a user manual were created for each application. Both documents were created in English.
05.2001 – 07.2001 proj200105073101	UBS AG, Zurich <b>Buy List – Microsoft Excel, VBA</b>
	Creation of the BuyList application by UBS AG. This application is about the recommendations of the analysts regarding the trading of securities. The individual recommendations are published weekly on the UBS website. Data from individual Excel files is imported, the overall recommendation is calculated using complex calculations and finally published on the Internet. The application is created using Microsoft Excel and VBA.
02/2001 – 10/2001 proj200102103101	City Bank, Zurich <b>On Calls - Microsoft Access, VBA</b>
	Creation or further development of an application for the administration of the support ticket. The application was created using Microsoft Access and VBA and the task is to adapt it to new business requirements. Implementation using Microsoft Access and VBA.

01/2001 – 11/2001 proj200101113001	Arsis GmbH, Hinwil <b>Dog Club Software - Microsoft Access, VBA, Microsoft Excel</b> <hr/> Creation of an application for the administration of dog clubs and there in particular for holding competitions. Club members are managed and when a competition is held, both club members and other dog owners are invited to the competition. Ranking lists are automatically created and published based on the ratings. The application is developed using Microsoft Access, VBA and Microsoft Excel.
01.2001 – 12.2003 proj200101123101	UBS AG, Zurich <b>Signs Version 1.0 - Microsoft Access, VBA, VB 6.0</b> <b>Dual role as project manager</b> <hr/> Creation of a prototype for the application and for the project Database Compiler, which is to be started in 2003. The prototype is developed using Microsoft Access and VBA as well as Microsoft VB 6.0. The aim is to be able to keep the migration as simple as possible when the application is implemented later. A migration from Microsoft Access to Microsoft SQL Server is the easiest way to keep migration costs as low as possible.
01/2001 – 01/2001 proj200101013101	UBS AG, Zurich <b>Project Monitoring - Microsoft Access, VBA, VB 6.0, Microsoft Excel, SQL</b> <b>Dual role as project manager</b> <hr/> Creating a project monitoring application for the office of the board of directors of UBS AG. On the one hand, projects are technically managed in terms of budget and effort and, on the other hand, they are compared with the effectively posted financial data. The application was developed using Microsoft Access, VBA, SQL as well as Microsoft Excel and VB 6.0.
05/2000 – 05/2001 proj200005053101	Bern Insurance, Bern <b>MSSQL development – Microsoft SQL Server, SQL, T-SQL</b> <hr/> Support for the company Berner Versicherung in the realization and implementation of requirements in the area of Microsoft SQL Server developments, regardless of the application. Complex stored functions and complex dynamic SQL statements are implemented.
05.2000 – 06.2001 proj200005063001	UBS Warburg, Opfikon <b>WEF Administration - Microsoft Access, VBA, Outlook, Microsoft Word</b> <hr/> Creation of administration software for the World Economic Forum in Davos. The application manages everything from inviting guests to making hotel reservations, taking part in events at the forum and reserving meeting rooms. The application is implemented using Microsoft Access and VBA and offers interfaces to Microsoft Outlook, Microsoft Excel and Microsoft Word.
04/2000 – 10/2000 proj200004103101	BAW AG, Schlieren <b>Course Management - Microsoft Access, VBA, Outlook, Shugar, SQL</b> <hr/> Creating an application for managing courses and training in the field of education and training. The application manages everything to do with the courses, from students to class formation, teacher assignments, tests and exam results. The application is implemented using Microsoft Access, VBA, Outlook, SQL and Shugar.
02.2000 – 10.2001 proj200002103101	UBS Warburg, Opfikon <b>Daily P&amp;L - Microsoft Access, VBA, SQL, Microsoft Excel</b> <hr/> Calculation of the Daily Profit & Lost of UBS Warburg in Opfikon. Financial data is imported, refined and the corresponding calculations are carried out. The output is done using Microsoft Excel and the application is developed using Microsoft Access, VBA and SQL.
01.2000 – 05.2001 proj200001053101	Thioms AG, Berne <b>Financial Software - VB 6.0, DAO, Crystal Reports</b> <hr/>

Extending an existing financial application with reports and additional customer requirements. The application was developed with Visual Basic 6.0 and reporting was integrated using Crystal Reports. Additional financial functions are integrated in the frontend.

05/1999 – 05/2001  
Proj199905053101

Siemens AG, Wallisellen  
**Small railway interlocking – Sybase, SQL, Delphi, ADA**

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Developing an application for the design and control of a small railway signal box. Task: Development of the component administration, subordination of all reports regarding existing components in order to be able to design the interlocking. This area of the application was developed using Sybase as the backend and Delphi as the frontend.

04/1999 – 09/1999  
Proj199904093001

Fima.b AG, Zurich  
**Central Access administration – Microsoft Access, VBA, SQL**

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Development of an Access administration: Using an Access database, new Microsoft Access applications can be generated through table entries. The values read from the tables form the properties of each object such as forms, queries, and reports. A standard is defined as to how these applications or future user interfaces should look. For each of the 120 applications of the central laboratory in Belgium, the applications can be migrated quickly and efficiently.

06/1998 – 09/1998  
Proj199806093001

Lutronic, field well  
**Crystal Reports - Microsoft Access, VBA, Crystal Reports, SQL**

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Project support: The starting point is an Access database with an Access frontend and an Access backend logic implemented using Visual Basic for Application, which is now to be expanded with dynamic reports created using Crystal Reports. The task here is to train and support the developers who design and implement these reports.

05/1998 – 06/1998  
Proj199805063001

UBS AG (Bank Corporation), Basel  
**Picasso—Microsoft Access, VBA, Microsoft Excel, SQL**

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Picasso is the corporate structure of the banking association. Since there were considerable adjustments to this company structure during the time of the merger of UBS AG and the bank association, the existing Microsoft Excel solution had to be replaced by a dynamic Access application. The goal was to be able to manipulate the tree structure quickly and easily. The application was implemented using Microsoft Access, VBA and SQL.

01/1998 – 02/2000  
Proj199801022801

UBS AG, Zurich  
**Customer Merge - Microsoft Access, VBA, SQL**

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Project: After the merger of the Swiss Bank Corporation and UBS AG, the goal was to combine the private banking customers of both companies and reallocate them to the customer advisors. For this purpose, a Microsoft Access application was created, which on the one hand carried out the planning for the reallocation of customers, but on the other hand also monitored the status of the implementation. The application was implemented using Microsoft Access, VBA and SQL.

01/1998 – 10/1999  
Proj199801103101

UBS AG (Bank Corporation), Basel  
**DB Migration - Microsoft Access, VBA, SQL, VB 6.0**

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The migration of 200 databases from Microsoft Access 2.0 to Microsoft Access 97. Both the front end and the back end were migrated. Logic implemented using VBA or macros was checked and adjusted if necessary. This applied to both the user interfaces and the reports.

06/1997 – 12/1997  
Proj199706123101

UBS AG (Bank Corporation), Basel  
**Soundlike search algorithm – Microsoft Access, VBA, SQL**

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Soundlike search algorithm: With regard to the cleansing of the nameless assets, a special search algorithm had to be developed which can match the names of account holders not by their spelling but by the sound of the name. For this purpose, a Microsoft

Access application was developed, which had a special search algorithm capable of creating search results by calculation. The application was implemented using Microsoft Access, VBA and SQL.

06/1995 – 10/1997  
Proj199506103101

UBS AG, Zurich

**Project Management - Microsoft Access, VBA, Microsoft Excel, SQL**

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Creation of a project administration for the finance managers of the board of directors of UBS AG. Group projects were monitored with this application. For this purpose, data was loaded from various sources and compared with the respective booking values (financial data). The budget and the hours worked were monitored. The application was developed using Microsoft Access, VBA, SQL and Microsoft Excel.

01/1995 – 12/1995  
Proj199501123101

Truns AG, Truns

**Shop management – Microsoft Access, VBA, Microsoft Excel, Microsoft Word, SQL**

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Creation of an application for the Truns MassCorner stores, which controls the entire administrative management of the individual stores. From the customer addresses to the types of fabric, the cutting data for the suits, the colors of the fabrics to the price calculation, which calculates the application of all the necessary key figures and finally also creates the invoice for the customer. The application was implemented using Microsoft Access, VBA, Microsoft Excel, Microsoft Word and SQL.

01/1993 – 12/1994  
Proj199301123101

Viktor Jetzler AG, Mühleberg

**Performance recording – Microsoft Access, VBA, SQL**

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We provide a service entry for lawyers. Due to a dynamic catalog of different services and service groups, the services for the customers can be recorded and billed with just a few clicks. There are services that are charged at a fixed price, as well as services that are charged on an hourly basis. The application was developed using Microsoft Access, VBA and SQL.

01/1992 – 12/1992  
Proj199201123101

BVI Consulting AG, Zuchwil

**eBanking – Microsoft Access, VBA, SQL**

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Development of the eBanking software Office Wings. In this project I am responsible for managing the master data, creating the input masks for the application parameters, creating the reports for the application and creating all the logic that is activated by the input masks. The application is created using Microsoft Access, VBA and SQL.

01/1990 – 12/1991  
Proj199001123101

Robert Bosch GmbH, Zuchwil

**Production Optimization - Microsoft Access, VBA**

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Development of various applications for production time recording. As part of a project to optimize the armature winding production lines, a number of applications were needed to measure the production line cycle times and determine the manual interactions of the employees on the production lines. For this purpose several applications have been developed using Microsoft Access and VBA or using Microsoft Excel and VBA.

For detailed information on the Microsoft projects described here, please see  
Appendix PB Detail - MICROSOFT Projects D.docx

## Further RELATIONAL DATABASE projects (1990 – 2011)

06/2011 – 09/2011  
Proj201106093001

Deutsche Telecom, Frankfurt

**Oracle DB Developer – Oracle, PLSQL**

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Performance tuning of the intercall database of Deutsche Telekom. The Intercall database processes the data of the roaming calls of Deutsche Telekom customers worldwide. The roaming times are processed, which are ultimately decisive for the roaming amount on the bill of each customer. The task was a complete performance tuning of this database. The database was developed using Oracle and PL SQL.

12/2010 – 08/2011 proj201012083101	Fischer, nine-high form <b>Forex software - Microsoft Access, VBA, SQL</b> Creation of a foreign exchange software using Microsoft Access, which displayed the smallest exchange rate changes in real time and triggered corresponding actions depending on the exchange rate changes. The system was developed using Microsoft Access, VBA and SQL.
10/2009 – 11/2009 proj200912113001	Sulzer Metco, Wohlen <b>Chart Sulzer Metco - Microsoft Access, VBA, VB 6.0</b> <b>Dual role as project manager</b> Creation of an Adin using Microsoft VB 6.0 to provide and calculate graphic diagrams, in which complex interpolations are calculated to complete the diagrams. The add-in was developed for a Microsoft Access database from Sulzer Metco and is used in forms and reports in the Microsoft Access application.
04/2007 – 10/2009 proj200704103101	Kisotec AG, Zurich <b>Kisotec K3 Software – Microsoft Access, VB .NET, SQL</b> <b>Dual role as project manager</b> Implementing software to manage a restaurant's kitchen. This software isn't about managing a restaurant or a hotel, it's about managing all areas in and around the kitchen. Microsoft Access serves as the backend and the frontend is implemented using VB .NET.
05/2007 – 11/2007 proj200705113001	Converium AG, Zurich <b>SQL server and DWH developer – T-SQL, SQL, DWH, SSIS, SSRS</b> Further development of an application (database) for calculating the risk costs for the reinsurance of risky objects. The task was to work with the company's actuaries to define the mathematical functions required for risk calculation and to implement them using Microsoft SQL Server, T-SQL and SQL.
08/2006 – 04/2007 proj200608073101	Credit Suisse, Berne <b>Data model for proof of own funds – Microsoft SQL Server, ERWIN</b> Deriving the physical data model from the logical data model for an application that determines the bank's own funds statement. Due to a legal requirement, all banks were obliged to be able to prove their own funds. For this purpose, CREDIT SUISSE is creating an application based on a backend using Microsoft SQL Server, T-SQL and SQL. In order to be able to create this database, the business analysts first had to convert the logical business requirements into the physical data model. This was done using ERWIN.
01/2003 – 12/2006 proj200301123101	UBS AG, Zurich <b>Database compiler for Microsoft SQL Server – SQL, T-SQL</b> <b>Dual role as project manager</b> Prototyping a database compiler capable of converting process-oriented flow structures and flowcharts into stored functions. The application is used to enter the signatures of the employees regarding the legal templates in the commercial register. A rule management of over 2000 active rules is taken into account when registering employees. Not only the database compiler is ordered, but also various auxiliary programs, which are necessary for the automated process from the e-mail to the published signature on the Internet. The application is implemented using Microsoft SQL Server, SQL, T SQ, .NET and C#.
02/2004 – 12/2005 proj200402123101	t-cos GmbH, Feldbrunnen <b>Justinian - Microsoft SQL Server, Microsoft Access, VBA, T-SQL</b> Implementation of a performance record for the company t-cos Feldbrunnen. In a first



prototype, Microsoft Access is used as the database, the user interfaces are already being developed in this prototype using VB .NET. In version 2, the Microsoft Access database is replaced by a Microsoft SQL server and much of the logic is transferred from the user interfaces to the backend in the form of stored procedures and functions.

03/2005 – 09/2005  
proj200503093001

Hanex AG, Poznan  
**Oracle, Hyprion Essbase – PLSQL, SQL, Oracle**

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Support in the creation of an MSI for the group management of the company HANEX. An Oracle database forms the basis for this application. Multidimensional data structures are generated using Hyperion Essbase and mapped in Excel. The aim was now to create consolidated reports for management from these multidimensional data structures using Microsoft Excel and VBA. The project was implemented using Microsoft Excel and VBA.

04/2005 – 07/2005  
proj200504073101

Zurich Insurance, Schlieren  
**ZFS - Microsoft Access, VBA, Microsoft Excel, SQL**  
**Dual role as project manager**

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Creation of the ZFS application for managing Zurich Insurance tickets. An MS Access solution serves as the database and the front end and the forms are implemented using Access Forms and VBA. Logic is also implemented using VBA.

07/2004 – 01/2005  
proj200407063001

Fuchs group, Aarau  
**Microsoft SQL Server Development - SQL, T-SQL**

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Support for the Fuchsgroup company in the realization and implementation of requirements in the area of Microsoft SQL Server developments, regardless of the application. Complex stored functions and complex dynamic SQL statements are implemented.

09/2004 – 12/2004  
proj200409123101

Swiss Life, Zurich  
**Budget calculation – Microsoft Access, VBA**

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Creation of a budget calculation for the individual areas of the company Swiss Life in Zurich. Data is imported from files, refined and completed, calculated and output in the form of reports in Excel. The application is implemented using Microsoft Access, SQL, VBA and Microsoft Excel. A corresponding application is made available for each group region and group area.

07/2004 – 10/2004  
proj200407103101

Hörservice AG, Zurich  
**Microsoft SQL Server Development - T-SQL, SQL**  
**Dual role as project manager**

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Support for Hörservice AG in the realization and implementation of requirements in the area of Microsoft SQL Server development, regardless of the application. Complex stored functions and complex dynamic SQL statements are implemented.

01/2003 – 10/2004  
proj200301103101

Swisscard AECS GmbH, Horgen  
**Development Microsoft SQL Server - SQL, T-SQL, VBA**

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Support for the company Swiss Card in the realization and implementation of requirements in the area of Microsoft SQL Server developments and all VBA Microsoft applications (Access, Excel, Word, Project ...), regardless of the application. Complex stored functions and complex dynamic SQL statements, Excel evaluations, access tools and much more are implemented

09.2003 – 07.2004  
proj200309073101

Novartis AG, Basel  
**Lifecycle Management - Oracle PLSQL, SQL**

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Creation of a Microsoft Access application, which obtains its data from an Oracle database, calculates the life cycles of the individual products from Novartis Pharma and supplements or refines existing data. The data is then exported to reports, which are implemented in Microsoft Excel. The application is implemented using Oracle and PL SQL as well as SQL, Microsoft Access and VBA as well as SQL and Microsoft Excel and VBA. The end product are the finished reports on the life cycles of the individual products from Novartis Pharma.

01/2004 – 03/2004 proj200401033101	Worldspan, Zurich <b>Template management – Microsoft Access, Office, VBA, VB 6.0</b> <b>Dual role as project manager</b> <hr/> Creation of a template administration using Microsoft Access as backend and Visual Basic 6.0 as frontend. Templates for the applications Microsoft Word, Microsoft Excel, Microsoft PowerPoint and Microsoft Publisher are managed. The templates are managed in multiple languages and the management is user-related. The application is implemented using Microsoft Access, Microsoft VB 6.0 and SQL.
01.2001 – 12.2003 proj200101123101	UBS AG, Zurich <b>Signs Version 1.0 - Microsoft Access, VBA, VB 6.0</b> <b>Dual role as project manager</b> <hr/> Creation of a prototype for the application and for the project Database Compiler, which is to be started in 2003. The prototype is developed using Microsoft Access and VBA as well as Microsoft VB 6.0. The aim is to be able to keep the migration as simple as possible when the application is implemented later. A migration from Microsoft Access to Microsoft SQL Server is the easiest way to keep migration costs as low as possible.
09.2001 – 07.2002 proj200109073101	Philip Morris, Lausanne <b>Laboratory data acquisition – Oracle, Microsoft SQL Server, T-SQL</b> <hr/> Documenting all Microsoft SQL, Oracle and Microsoft VBA applications for Philip Morris labs. The inventories of the applications were recorded and both technical documentation and a user manual were created for each application. Both documents were created in English.
03/2002 – 06/2002 proj200203063001	Adecco, Wallisellen <b>Folder filing system – Microsoft Access, VBA, Microsoft Excel, Microsoft Word</b> <b>Dual role as project manager</b> <hr/> Creation of an application for managing folders using Microsoft Access for the corporate management of the Adecco company. The folder, its contents, the storage location in the form of the shelf and the exact location on the shelf are catalogued. An interface for the import of existing Excel files is implemented. The application is developed using Microsoft Access and VBA.
01/2001 – 11/2001 proj200101113001	Arsis GmbH, Hinwil <b>Dog Club Software - Microsoft Access, VBA, Microsoft Excel</b> <hr/> Creation of an application for the administration of dog clubs and there in particular for holding competitions. Club members are managed and when a competition is held, both club members and other dog owners are invited to the competition. Ranking lists are automatically created and published based on the ratings. The application is developed using Microsoft Access, VBA and Microsoft Excel.
02.2000 – 10.2001 proj200002103101	UBS Warburg, Opfikon <b>Daily P&amp;L - Microsoft Access, VBA, SQL, Microsoft Excel</b> <hr/> Calculation of the Daily Profit & Lost of UBS Warburg in Opfikon. Financial data is imported, refined and the corresponding calculations are carried out. The output is done using Microsoft Excel and the application is developed using Microsoft Access, VBA and SQL.
02/2001 – 10/2001 proj200102103101	City Bank, Zurich <b>On Calls - Microsoft Access, VBA</b> <hr/> Creation or further development of an application for the administration of the support ticket. The application was created using Microsoft Access and VBA and the task is to adapt it to new business requirements. Implementation using Microsoft Access and VBA.
03/2001 – 09/2001 proj200103093001	UBS AG, Zurich <b>Customer evaluation - Oracle, PLSQL, SQL</b> <hr/>

Creation of an application for evaluating the assets under management per client advisor. An Oracle database is used as the database, supplemented with a Hyperion Essbase data cube, which is the source for the evaluations. The individual evaluations are set up on this data cube using Excel and the data for the ranking lists are sorted using VBA.

05.2000 – 06.2001  
proj200005063001

UBS Warburg, Opfikon

**WEF Administration - Microsoft Access, VBA, Outlook, Microsoft Word**

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Creation of administration software for the World Economic Forum in Davos. The application manages everything from inviting guests to making hotel reservations, taking part in events at the forum and reserving meeting rooms. The application is implemented using Microsoft Access and VBA and offers interfaces to Microsoft Outlook, Microsoft Excel and Microsoft Word.

05/1999 – 05/2001  
Proj199905053101

Siemens AG, Wallisellen

**Small railway interlocking – Sybase, SQL, Delphi, ADA**

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Developing an application for the design and control of a small railway signal box. Task: Development of the component administration, subordination of all reports regarding existing components in order to be able to design the interlocking. This area of the application was developed using Sybase as the backend and Delphi as the frontend.

05/2000 – 05/2001  
proj200005053101

Bern Insurance, Bern

**MSSQL development – Microsoft SQL Server, SQL, T-SQL**

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Support for the company Berner Versicherung in the realization and implementation of requirements in the area of Microsoft SQL Server developments, regardless of the application. Complex stored functions and complex dynamic SQL statements are implemented.

01/2001 – 01/2001  
proj200101013101

UBS AG, Zurich

**Project Monitoring - Microsoft Access, VBA, VB 6.0, Microsoft Excel, SQL  
Dual role as project manager**

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Creating a project monitoring application for the office of the board of directors of UBS AG. On the one hand, projects are technically managed in terms of budget and effort and, on the other hand, they are compared with the effectively posted financial data. The application was developed using Microsoft Access, VBA, SQL as well as Microsoft Excel and VB 6.0.

04/2000 – 10/2000  
proj200004103101

BAW AG, Schlieren

**Course Management - Microsoft Access, VBA, Outlook, Shugar, SQL**

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Creating an application for managing courses and training in the field of education and training. The application manages everything to do with the courses, from students to class formation, teacher assignments, tests and exam results. The application is implemented using Microsoft Access, VBA, Outlook, SQL and Shugar.

01/1998 – 02/2000  
Proj199801022801

UBS AG, Zurich

**Customer Merge - Microsoft Access, VBA, SQL**

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Project: After the merger of the Swiss Bank Corporation and UBS AG, the goal was to combine the private banking customers of both companies and reallocate them to the customer advisors. For this purpose, a Microsoft Access application was created, which on the one hand carried out the planning for the reallocation of customers, but on the other hand also monitored the status of the implementation. The application was implemented using Microsoft Access, VBA and SQL.

01/1998 – 10/1999  
Proj199801103101

UBS AG (Bank Corporation), Basel

**DB Migration - Microsoft Access, VBA, SQL, VB 6.0**

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The migration of 200 databases from Microsoft Access 2.0 to Microsoft Access 97. Both the front end and the back end were migrated. Logic implemented using VBA or macros was checked and adjusted if necessary. This applied to both the user interfaces and the reports.

04/1999 – 09/1999  
Proj199904093001

Fima.b AG, Zurich

**Central Access administration – Microsoft Access, VBA, SQL**

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Development of an Access administration: Using an Access database, new Microsoft Access applications can be generated through table entries. The values read from the tables form the properties of each object such as forms, queries, and reports. A standard is defined as to how these applications or future user interfaces should look. For each of the 120 applications of the central laboratory in Belgium, the applications can be migrated quickly and efficiently.

06/1998 – 09/1998  
Proj199806093001

Lutronic, field well

**Crystal Reports - Microsoft Access, VBA, Crystal Reports, SQL**

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Project support: The starting point is an Access database with an Access frontend and an Access backend logic implemented using Visual Basic for Application, which is now to be expanded with dynamic reports created using Crystal Reports. The task here is to train and support the developers who design and implement these reports.

05/1998 – 06/1998  
Proj199805063001

UBS AG (Bank Corporation), Basel

**Picasso—Microsoft Access, VBA, Microsoft Excel, SQL**

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Picasso is the corporate structure of the banking association. Since there were considerable adjustments to this company structure during the time of the merger of UBS AG and the bank association, the existing Microsoft Excel solution had to be replaced by a dynamic Access application. The goal was to be able to manipulate the tree structure quickly and easily. The application was implemented using Microsoft Access, VBA and SQL.

06/1997 – 12/1997  
Proj199706123101

UBS AG (Bank Corporation), Basel

**Soundlike search algorithm – Microsoft Access, VBA, SQL**

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Soundlike search algorithm: With regard to the cleansing of the nameless assets, a special search algorithm had to be developed which can match the names of account holders not by their spelling but by the sound of the name. For this purpose, a Microsoft Access application was developed, which had a special search algorithm capable of creating search results by calculation. The application was implemented using Microsoft Access, VBA and SQL.

06/1995 – 10/1997  
Proj199506103101

UBS AG, Zurich

**Project Management - Microsoft Access, VBA, Microsoft Excel, SQL**

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Creation of a project administration for the finance managers of the board of directors of UBS AG. Group projects were monitored with this application. For this purpose, data was loaded from various sources and compared with the respective booking values (financial data). The budget and the hours worked were monitored. The application was developed using Microsoft Access, VBA, SQL and Microsoft Excel.

01/1995 – 12/1995  
Proj199501123101

Truns AG, Truns

**Shop management – Microsoft Access, VBA, Microsoft Excel, Microsoft Word, SQL**

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Creation of an application for the Truns MassCorner stores, which controls the entire administrative management of the individual stores. From the customer addresses to the types of fabric, the cutting data for the suits, the colors of the fabrics to the price calculation, which calculates the application of all the necessary key figures and finally also creates the invoice for the customer. The application was implemented using Microsoft Access, VBA, Microsoft Excel, Microsoft Word and SQL.

01/1993 – 12/1994  
Proj199301123101

Viktor Jetzler AG, Mühleberg

**Performance recording – Microsoft Access, VBA, SQL**

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We provide a service entry for lawyers. Due to a dynamic catalog of different services

and service groups, the services for the customers can be recorded and billed with just a few clicks. There are services that are charged at a fixed price, as well as services that are charged on an hourly basis. The application was developed using Microsoft Access, VBA and SQL.

01/1992 – 12/1992  
Proj199201123101

BVI Consulting AG, Zuchwil  
**eBanking – Microsoft Access, VBA, SQL**

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Development of the eBanking software Office Wings. In this project I am responsible for managing the master data, creating the input masks for the application parameters, creating the reports for the application and creating all the logic that is activated by the input masks. The application is created using Microsoft Access, VBA and SQL.

01/1990 – 12/1991  
Proj199001123101

Robert Bosch GmbH, Zuchwil  
**Production Optimization - Microsoft Access, VBA**

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Development of various applications for production time recording. As part of a project to optimize the armature winding production lines, a number of applications were needed to measure the production line cycle times and determine the manual interactions of the employees on the production lines. For this purpose several applications have been developed using Microsoft Access and VBA or using Microsoft Excel and VBA.

For detailed information on the relational database projects described here, please see Appendix PB Detail – RELATIONAL DATABASE Projects.docx

## Other DWH projects (2005 – 2018)

10/2018 – 11/2018  
proj201810113001

Mann+Hummel, Speyer, Germany  
**SSIS package analysis for migration from SQL Server 2010 to Microsoft SQL Server 2018 – MSSQL T-SQL, SSIS, ETL**

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Development of a concept for the cost-effective migration of 600 SSIS packages, consisting of an analysis of all existing packages, division of the packages into three groups, subordination of the concept including calculation of the time required for migration, and the development of several options for a cost-effective implementation of the entire migration. The implementation takes place partly with employees in-house, with students and with migration specialists. The concept also takes into account a performance optimization of the individual SSIS packages.

02/2017 – 03/2017  
proj201702033101

ElipsLife, Opfikon  
**Microsoft SQL Server DWH Developer – T-SQL, ETL**

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Creation of ETL paths for filling the ElipsLife financial data warehouse. The tables of the data warehouse are filled first in the Stage area and then, after the transformation has taken place, in the Data Vault data warehouse area. Both the Stage database and the data warehouse are populated by calling stored functions implemented in T-SQL. Since the data warehouse is a data vault scheme, the data warehouse tables are filled according to precise rules. Only one statement is provided for filling the hub, link or satellite. All three are always filled in the same way, only the names of tables and attributes change. The task is to write dynamic stored procedures for filling these tables, to test them, to be documented and integrated into the system. The development is implemented using Microsoft SQL Server 2016 and Microsoft T-SQL. Some functionalities are implemented using Microsoft SSIS packages; these are also tested and documented.

04/2015 – 09/2016  
proj201504093001

Swiss Life, Zurich  
**Microsoft SQL Server Developer – T-SQL, SSIS**

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Creation of ETL routes for filling the internet platforms of the company Swisslife. The tables are filled on the one hand from the databases behind the Internet platforms, but

on the other hand also from the data in the data warehouse. Depending on the data source, a preload or a load is carried out first using stored functions in T-SQL. The data is then transformed for the first time and loaded into the load structure. The data is then refined or transformed a second time and the data transformation is carried out using complex stored functions. After that, the data is loaded into the Internet databases on the one hand and into the data warehouse on the other hand, taking the key values into account. Task is to write dynamic stored procedures to populate these tables, to test, document and integrate them into the system. The development is implemented using Microsoft SQL Server 2012 and Microsoft T-SQL. Some functionalities are implemented using Microsoft SSIS packages, which are also tested and documented.

10/2012 – 01/2016  
proj201210013101

Bohmann-Laing, Garrel

**DWH/BI Developer/Consultant – Microsoft SQL Server, SQL, T-SQL.**

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Creation of a data warehouse as a management tool for retirement homes and nursing homes. For this purpose, functions stored in Microsoft SQL Server are written using T-SQL, which extract the data from various sources, the extracted data is refined or transformed and then brought into the right structure to fill the standing schema of the data warehouse to be able to The cubes are then formed using SSAS and a report set is set up on the cubes using SSRS. The ETL routes are developed using T-SQL and SSIS as stored procedures. The cube is developed and assumed using SSAS and the reporting is created using SSRS.

09/2013 – 12/2015  
proj201309123101

IBM Switzerland, Basel

**ETL Developer - Microsoft SQL Server, T-SQL, SQL**

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This project is about loading IBM Europe's customer data into the appropriate databases. This is done using stored functions, which are implemented in T-SQL. Parallel to the implementation using stored procedures, various ETL routes are also being developed using SSIS. The application already exists and new customer requirements are being integrated.

Sep 2012 – Jan 2013  
proj201209013101

Liebherr, Germany

**Migration DWH from Cognos 7 to Microsoft SQL Server**

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The aim of the project is the migration of a Cognos data warehouse to Microsoft SQL Server. The ETL routes were implemented using stored procedures in T-SQL or SSIS packages were created. The data cubes were implemented using SSAS and the reports were realized using SSRS. In 2012, the entire Cognos data warehouse was converted or migrated to Microsoft SQL Server. The task was to provide the Liebherr database developers with appropriate support and training so that they could successfully implement this migration. In special cases, there was also corresponding development work on more complex tasks that the teams could not solve.

05/2007 – 11/2007  
proj200705113001

Converium AG, Zurich

**SQL server and DWH developer – T-SQL, SQL, DWH, SSIS, SSRS**

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Integration of various risk calculations and risk analyzes in cooperation with the actuaries of the company Converium (large reinsurer, today SCOR) in the form of stored procedures in SQL server. Implemented using T-SQL and SQL.

03/2005 – 09/2005  
proj200503093001

Hanex AG, Poznan

**Oracle, Hyprion Essbase – PLSQL, SQL, Oracle**

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Support in the creation of an MSI for the group management of the company HANEX. An Oracle database forms the basis for this application. Multidimensional data structures are generated using Hyperion Essbase and mapped in Excel. The aim was now to create consolidated reports for management from these multidimensional data structures using Microsoft Excel and VBA. The project was implemented using Microsoft Excel and VBA.

03/2001 – 09/2001  
proj200103093001

UBS AG, Zurich

**Customer evaluation - Oracle, PLSQL, SQL**

---

Creation of an application for evaluating the assets under management per client advisor. An Oracle database is used as the database, supplemented with a Hyperion

Essbase data cube, which is the source for the evaluations. The individual evaluations are set up on this data cube using Excel and the data for the ranking lists are sorted using VBA.

For detailed information on the data warehouse projects described here, please refer to Appendix PB Detail - DWH Projects.docx

## Further INTERNET projects (2005 – 2015)

07/2015 – 12/2015  
proj201507123101

Restart Apple Service Point, Odessa Ukraine  
**Bitrix developer – Java Script**

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Further development of a website with a Bitrix CMS. New functionalities for the business have to be integrated into the website. Dynamic JavaScript is used for this. The aim is to manage customer requirements for the company's products and services. The company deals in mobile phones and offers all services related to its products. For example, if a customer wants to repair or sell their phone, they can do this quickly and easily using the expanded functionality on the website. For example, he can define the device and the date of purchase and the website calculates the price when the device is sold. Repair orders are also triggered via the website. The customer can select his device type and select the corresponding defect from a catalog of defective ones. The price for the repair and the duration of the repair are shown to the customer directly on the website. In addition to the repair catalogue, price catalogs are also stored because customers can not only sell old devices via the website, but can also buy devices that have already been sold via the website. All actions can be defined in terms of time.

01/2015 – 03/2015  
proj201501033101

Balani, Odessa Ukraine  
**Developing an e-commerce store - PHP Prestashop, HTML 5**

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Implementation of a large e-commerce project for a company with a customer base of over 20,000 customers and 400 orders per day. Product catalogs count over 30 categories and more than 8000 products. In a first version, three different languages are integrated, these are English, Russian and Ukrainian. 4 currencies were made available for payment and 12 different shipping options and 10 payment options were integrated. Order tracking is implemented and in addition several administration permissions such as admin, content editor, billing, scheduling, reporting, comment moderator, trusted commenter and shop manager are integrated. Creation of a script for inventory management and easy finding of products in the warehouse. Calculate inventory levels. Automatic triggering of ordering processes when a certain number of a product in the warehouse is not reached.

Project link: <https://neolines.com.ua/balani-2/>

01/2015 – 03/2015  
proj201501033101

Grace Boyer Cosmetics, Santiago de Chile  
**Developing an e-commerce store - Wordpress, HTML 5, CSS3**

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Creation of a website for the distribution of beauty products. Products are presented using product catalogues. Creating a website with the jQuery framework, integrated product categories, product descriptions, product images. The simple structure enables the company's employees to adapt the website easily and quickly and to enter new products and product information easily. Additional functionalities related to item management allow for easy addition of messages and definition of specific promotions. Various animations provide good information about the individual products. The design is integrated and implemented using the Bootstrap 4 framework. The built-in Hover.CSS is a collection of CSS3-powered hover effects that you can apply to links, buttons,

logos, SVG, Images and more are applicable. In addition, the Google API Map is integrated on the website.

Project link:<https://neolines.com.ua/graceboyer/>

12/2008 – 12/2012  
proj200812123101

shs-g AG, Fahrwangen

### **Website creation**

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In the spring of 2010, the company shs-g AG founded a company in Romania, which has the purpose of having web projects developed for Swiss and German customers with the highest quality and at fair prices as an outsourcing company. On the one hand, my job is customer support, requirement engineering, working out the designs in close cooperation with the customer and, on the other hand, developing the specifications for the logic for the PHP. During this time, more than 55 websites and web portals as well as web shops are developed. Here is a small excerpt from the development projects:

- Project Os-Commerce
- Project eCommerce outdoor shop
- Project eCommerce Rump Metal Trend
- Project eCommerce Sparrow Bear
- Project eCommerce Spot Tech
- Project website Amazem Wine
- Arpagaus website project
- Project website Arte Tavola
- Project website Asani Immo Kosovo
- Project Website Axialent
- Project Website Bakery Esswein
- Project website Bichthus
- Project Website Bio Con
- Project Website Capital Network
- Project website CDI
- Project website Cogo Talk
- Project website Columbia Law List
- Project website Concorso
- Project Website Contact Bar
- Project website Mariage Café
- Project website Olymp
- Project Website Poster Jack
- Project website Primus
- Project Website Radio Song 4 You
- Project Website Rent a Location
- Project Website Swiss Discounter
- Project website Swiss Security
- Project Website Terra Vitae
- Project Website Tiger Security
- Project website Music Land
- Project Website Cookies Home
- Project Website Gospel De
- Project Website Facebook Prepaid
- Project Website Facebook Template
- Project Website Fanpage Operator Shop
- Project website Gerald Hackenberg
- Project Website Sweepstakes
- Project Website Bio Wash
- Project website Häusler Treuhand
- Project Website High Guide Company
- Project website Honestus
- Project website Hyat
- Project Website Job Pesti
- Project website Lofts am See
- Project Website Lola K
- Project Website Pizza Da Pepino
- Project Website Whinos Da Silva
- Project website Yv at Home
- Project Website Escola de F. Marques
- Project Website Escort Hostess
- Project Website Fanpage Operator
- Project website Frohburg Restaurant
- Project Website Horoscopes
- Project Website Luxorious Estate

10/2009 – 11/2009  
proj200910113001

Kisotec AG, Zurich

### **Kisotec K3 Website, Wordpress, PHP**

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Creation of the website for the company presentation of the company Kisotec. The company's services are presented on the Internet, the software of the same name is promoted, the software is made available on the Internet as a test and demo version, sale of the full version of the Kisotec K3 software, downloading of the full version of the Kisotec K3 software, payment is made by means of credit cards, the license agreement is automatically generated and the license key is automatically sent to the customer, as well as the possibility of obtaining the Kisotec K3 software by CD mailing.

05/2009 – 05/2009  
proj200905053101

Canton of Zurich, Zurich

### **BSPM Adult Education II, PHP**

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Setting up and providing the test environment, phase 02 requirement recording and phase 02 planning, implementation of phase 02 requirements, phase 02 integration into the test system, phase 02 testing on our infrastructure, test environment set up to check all requirements at the client. In addition, all data stored on our infrastructure during phase 01 had to be migrated to the client's new test environment. During this migration, extensions and changes to the data model had to be taken into account.

09/2008 – 03/2009

Canton of Zurich, Zurich



proj200809033101

**BSPM Adult Education I, PHP**

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Creation of an internet portal for the "Adult Education" institution of the Canton of Zurich. The aim of the project is to implement question answers using a "multiple choice" system. To do this, a CMS system had to be programmed, with the help of which any questions could be asked. Based on the answers received, an evaluation of the students can be carried out.

It is thus possible to use the created portal for surveys, for example. The portal can also be used for exam purposes and the questions can be divided into categories. The student is automatically guided through the questions. The process is constantly monitored and it is not possible for the student to omit or skip certain questions. It is also possible to set a time limit for the questionnaire.

10/2005 – 12/2005  
proj200510123101

Private, Zurich  
**eSalerate, PHP**

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Website for downloading and paying for a game. The design of the website was already specified. The aim is to download a game and pay by credit card. If the credit card is used as a means of payment, a license key is automatically generated which enables the customer to activate the game. If the game is paid for using a payment slip, the license key will be sent to the customer by post. Payments are only monitored if they are made using credit cards. Deposits by post or bank must be monitored manually.

04/2005 – 05/2005  
proj200504053101

Private, Zurich  
**Web Calendar, PHP**

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Creation of an internet application for a private person in the Zurich area. Club premises in the Zurich area can be rented by private individuals or associations via the Internet. A web calendar is created for this purpose, which can be used to check whether the club premises are still available at the desired time. If it is free, the clubhouse can be reserved. Payment for the restaurant is made by credit card and must be made no later than seven days before the planned event.

For detailed information on the Internet projects described here, please refer to Appendix PB Detail - INTERNET Projects.docx

## Further MIGRATION projects (1995 – 2020)

11/2020 – 12/2020  
proj202011123101

Mann+Hummel, Speyer, Germany  
**Complex Microsoft SQL Server - migration in a cluster**

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Due to the customer's technical situation, a direct migration from the existing cluster to the new cluster is not possible. For this reason, a node of the existing cluster is removed during this migration, a local SQL server is created on it and the original SQL server on the cluster is migrated to this local SQL server. This in the form of a pre-migration. After that, the new cluster is created and then the databases of the local SQL server are migrated to this cluster. The reason for this procedure lies in the use of the SUN, which is decisive for the fact that the old cluster environment can no longer be accessed after the cluster has been migrated.

01/2020 – 12/2020  
proj202001123101

ARZ Innsbruck  
**Specialist for Microsoft SQL Server - migrations and DBA Admin**

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Supporting a team in a data center as a SQL server administrator with the main task of performing more complex migrations into a cluster for customer-side databases and for internal databases. Additional support in processing the tickets in the general operation of the databases and the installation of special applications as well as the migration of complex data warehouse environments and the required tools such as SSIS, SSAS and SSRS.

10/2018 – 11/2018  
proj201810113001

Mann+Hummel, Speyer, Germany  
**SSIS package analysis for migration from SQL Server 2010 to Microsoft SQL Server 2018 – MSSQL T-SQL, SSIS, ETL**

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Development of a concept for the cost-effective migration of 600 SSIS packages, consisting of an analysis of all existing packages, division of the packages into three groups, subordination of the concept including calculation of the time required for migration, and the development of several options for a cost-effective implementation of the entire migration. The implementation takes place partly with employees in-house, with students and with migration specialists. The concept also takes into account a performance optimization of the individual SSIS packages.

09/2012 – 01/2013  
proj201209013101

Liebherr, Germany  
**Migration DWH from Cognos 7 to Microsoft SQL Server**

---

The aim of the project is the migration of a Cognos data warehouse to Microsoft SQL Server. The ETL routes were implemented using stored procedures in T-SQL or SSIS packages were created. The data cubes were implemented using SSAS and the reports were realized using SSRS. In 2012, the entire Cognos data warehouse was converted or migrated to Microsoft SQL Server. The task was to provide the Liebherr database developers with appropriate support and training so that they could successfully implement this migration. In special cases, there was also corresponding development work on more complex tasks that the teams could not solve.

01/2007 – 11/2012  
proj200702113001

shs-g AG, Feldbrunnen  
**Signature Solution Microsoft SQL Server according to ORACLE**

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In cooperation with UBS AG, we provide a standard application for entering signatures in the signature register and for publishing the signatures on the Internet. The aim is to be able to offer the signature solution created for UBS AG for other companies in the form of a standard solution. For this purpose, the system was unified based on Oracle, JBOSS, DROOLS and JBPM. Using Drools, the rules can be set in a simple way and JBPM ensures the correct execution of the workflow.

01/2007 – 11/2012  
proj200702113002

UBS AG, Zurich  
**Signs from Microsoft SQL Server to Java and ORACLE**

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Migration of the prototype database compiler created in 2003-2006 from Microsoft SQL Server to Oracle, Jboss, Drools and JBPM. The database compiler is still the core of the application. The compiler is used to create the workflows for sheet data processing and store them in the database in the form of stored functions or procedures (PLSQL).

However, standard products such as Drools for the rules of the application and JBPM for the time-controlled execution of the workflows are now also being used. The user interface is migrated from Microsoft VB to Java. There is also a data migration from Microsoft SQL Server to Oracle. The various tools for process monitoring and for the fully automated cleaning of the signatures are left in C#,

06/2011 – 08/2012  
proj201106083101

It-gr GmbH, Feldbrunnen

**Acquisition software - Microsoft Access, VBA, SQL**

**Dual role as project manager**

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Creation of an accreditation software for the company it-gr GmbH, which automatically supported the company with the activation of projects. The Access application searched the Internet on various platforms for suitable projects, evaluated the competing offers and thus made it possible to submit an optimal offer. The system was developed using Microsoft Access, VBA and SQL.

01/2003 – 12/2006  
proj200301123101

UBS AG, Zurich

**Signs from Microsoft Access to Microsoft SQL Server**

**Dual role as project manager**

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Prototyping a database compiler capable of converting process-oriented flow structures and flowcharts into stored functions. The application is used to enter the signatures of the employees regarding the legal templates in the commercial register. A rule management of over 2000 active rules is taken into account when registering employees. Not only the database compiler is ordered, but also various auxiliary programs, which are necessary for the automated process from the e-mail to the published signature on the Internet. The application is implemented using Microsoft SQL Server, SQL, T SQ, .NET and C#.

01/2004 – 03/2004  
proj200401033101

Worldspan, Zurich

**Template management – Microsoft Access, Office, VBA, VB 6.0**

**Dual role as project manager**

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Creation of a template administration using Microsoft Access as backend and Visual Basic 6.0 as frontend. Templates for the applications Microsoft Word, Microsoft Excel, Microsoft PowerPoint and Microsoft Publisher are managed. The templates are managed in multiple languages and the management is user-related. The application is implemented using Microsoft Access, Microsoft VB 6.0 and SQL.

01/2001 – 01/2001  
proj200101013101

UBS AG, Zurich

**Project Monitoring - Microsoft Access, VBA, VB 6.0, Microsoft Excel, SQL**

**Dual role as project manager**

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Creating a project monitoring application for the office of the board of directors of UBS AG. On the one hand, projects are technically managed in terms of budget and effort and, on the other hand, they are compared with the effectively posted financial data. The application was developed using Microsoft Access, VBA, SQL as well as Microsoft Excel and VB 6.0.

01/1998 – 10/1999  
Proj199801103101

UBS AG (Bank Corporation), Basel

**DB Migration - Microsoft Access, VBA, SQL, VB 6.0**

The migration of 200 databases from Microsoft Access 2.0 to Microsoft Access 97. Both the front end and the back end were migrated. Logic implemented using VBA or macros was checked and adjusted if necessary. This applied to both the user interfaces and the reports.

06/1995 – 10/1997  
Proj199506103101

UBS AG, Zurich

**Project Management - Microsoft Access, VBA, Microsoft Excel, SQL**

Creation of a project administration for the finance managers of the board of directors of

UBS AG. Group projects were monitored with this application. For this purpose, data was loaded from various sources and compared with the respective booking values (financial data). The budget and the hours worked were monitored. The application was developed using Microsoft Access, VBA, SQL and Microsoft Excel.

For detailed information on the migration projects described here, please refer to Appendix PB Detail - MIGRATIONS Projects.docx

## Other OO projects (1984 – 2012)

07/2009 – 03/2012  
Proj200907033101

Unimon AG, Zurich

### **Drinking water monitoring P 02 – Java, J2EE**

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There are now many different online measuring systems for monitoring water quality, which can measure relevant parameters using different methods. However, not every system is equally suitable for the respective measurement task. There are differences in terms of maintenance, measurement accuracy, procurement and operating costs, and day-to-day handling.

In version 2, the existing application for monitoring drinking water is adapted to new customer requirements. New calculation models are integrated and interfaces for new measuring techniques and measuring probes are developed. No adjustments are made to the programming languages and databases used.

05/2009 – 06/2009  
Proj200905063001

Unimon AG, Zurich

### **Server Outsourcing - Infrastructure**

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As part of an outsourcing by Unimon AG, the existing IT infrastructure and IT organization was supplemented with a customer-specific Service Level Agreement (SLA) and the entire hardware was outsourced. All operational responsibility was assumed. On-site services, data center services and cloud services have been combined into an efficient solution, tailored to customer needs; the entire network from the data center to the workplace. Core switching, routing, access switching, VLAN, MPLS, WLAN, VPN and security were implemented according to customer requirements: desktop, notebook and thin clients as well as VDI solutions. Printer, scanner, managed printing and bandwidth optimization for remote printing were made available.

05/2009 – 06/2009  
Proj200905063002

A+A, Wohlen

### **DDF - T-SQL, Oracle, SQL, PL/SQL, .NET**

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Application for managing documents of any kind. Documents are managed using different file formats. The documents are versioned and stored in a central database. Various relational databases are used (e.g. Oracle, Microsoft SQL Server etc.). The documents are read in using batch processing and stored in the database. Of course, the documents can be exported from the database again at any time. Implementing new customer requirements. Integration of a new license model.

02/2004 – 09/2004  
Proj200402093001

ETH Zurich, Zurich

### **Eye Tester - C++**

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The system can perform more measurements related to eyesight than is possible with conventional systems. Measurements: visual acuity vergence, image formation, clinical measures of visual acuity, equivalence of measures, screening visual acuity in occupational safety, contrast, lighting, visual performance, signal detection theory, visual performance in the elderly, lenses for presbyopia. Various existing errors are corrected at the same time and user interfaces are adapted according to the customer's specifications. Based on the measurement results, additional values are calculated using complex formulas and displayed graphically. Development of the interfaces to the test system (hardware), implementation of the calculation models, implementation of the evaluations. implementation of customer requirements, of corrections and extensions using Microsoft C++. Testing and documentation (technical).

02/2003 – 11/2003

Lüscher, Leutwil

Proj200302113101

### **JET PRINT – C++**

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UV laser light is highly focused. It penetrates straight and deep into the polymer material to directly crosslink its layers. This leads to sharp and deep flanks and open reserves for high-pressure forms. Small positive elements such as lines, text and relevant subtleties must be supported with optimal flanks. A black pixel zone means that 100% of the imaging energy is applied during a preset number of scans. This corresponds to the input TIFF file. A white pixel zone means that no energy is being applied and the polymer is not being crosslinked. Different shades of gray for a pixel represent different levels of imaging energy. UV imaging has the potential of a universal imaging technology for the printing sector. printing forms for offset, Flexographic and screen printing as well as varnish and spot colors. Further applications are currently being developed.

The high resolution makes it possible, for example, to print "interspersed" macro fonts that are barely visible to the naked eye. "Lüscher" is geared almost 100 percent to export. Implementation of customer requirements using C++. Testing and documentation (technical).

03/2000 – 06/2001  
Proj200003063001

Miracle AG, Langenthal  
**Miracle - VB similar**

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Miracle is a RAD platform used to design and develop ERP solutions. Using the RAD development system to implement customer-specific ERP solutions on site at the end customer. Integrate new core functionalities into the existing RAD platform and make them available for the implementation of the ERP systems using the RAD platform. Such new core functionalities were always developed, tested and integrated into the RAD platform in the Langenthal branch. For this purpose, appropriate clarifications had to be carried out in advance with the customer and with internal development. The new functionalities had to be specified in detail.

Implementation of the requirements using the RAD development system manufactured by Miracle and testing and implementation of the ERP solution, integration of new functionality into the RAD platform. Testing and documentation (technical).

01/1988 – 12/1989  
Proj198801123101

Ascom Radiocom AG, Solothurn  
**Testing software for logistics - VB**

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Development of special testing software for testing multi-layer printed circuit boards. Development of special testing software for testing power supplies. The test software was developed using a Pascal-related programming language. The test results were evaluated automatically. Fully automated testing of multilayer boards produced in-house and multilayer boards supplied by suppliers. For power supplies, the software was developed using a programming language similar to Visual Basic. The test software was designed for a random test and the evaluation was carried out using ISO 9001 specifications. Responsible for the entire IT infrastructure in the logistics of incoming goods inspection at Ascom Radiocom AG.

03/1984 – 12/1987  
Proj198403123101

Agathon AG, Bellach  
**machine control software**

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Integration of customer-specific extensions of the machine controls for indexable inserts and centerless grinding machines. Expanding machine controls. Integration of robot elements for fully automated production. Implement mechanical as well as electrical extensions of the CNC machines including control and software. Software components need to be changed or expanded. Adaptation of the software according to customer specifications. Testing of the mechanical and electronic assemblies and commissioning of the machines.

For detailed information on the OO projects described here, please see Appendix PB Detail - OO Projects.docx

## Other PL / PMO / PLA projects (1989 – 2022)

07. 2014 – Now  
Proj202107113001      bs4y, Zurich  
**Outsourcing Project Manager, Remote Project Manager**

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Project manager for small and medium-sized projects, which are realized for Swiss customers, German customers and Austrian customers in the branches in Romania and Moldova. Link between the customer and the implementation teams. Monitoring of project status and project finances. Creation of the requirement, the planning and all other necessary documents.
- 06/2013 – 04/2015  
Proj201306043001      Raiffeisen Bank International (BAT), Vienna  
**PLA MAVOS Member Project Management Committee – PMO, PL**

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**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).
- 06/2013 – 04/2015  
Proj201306043002      Raiffeisen Bank International (BAT), Vienna  
**Project Management / Program Manager, SLA Manager**

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**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).
- 12/2008 – 12/2012  
proj200812123101PJ      shs-g AG, Feldbrunnen  
**Project manager website creation (more than 59 websites)**

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In the spring of 2010, the company shs-g AG founded a company in Romania, which has the purpose of having web projects developed for Swiss and German customers with the highest quality and at fair prices as an outsourcing company. On the one hand, my job is customer support, requirement engineering, working out the designs in close cooperation with the customer and, on the other hand, developing the specifications for the logic for the PHP. During this time, more than 55 websites and web portals as well as web shops are developed. Here is a small excerpt from the development projects:  
  
**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).
- 01/2007 – 11/2012  
Proj200701113001PJ      UBS AG, Zurich  
**Project Manager Signs Version 3.0**

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Migration of the prototype database compiler created in 2003-2006 from Microsoft SQL Server to Oracle, Jboss, Drools and JBPM. The database compiler is still the core of the application. The compiler is used to create the workflows for sheet data processing and store them in the database in the form of stored functions or procedures (PLSQL). However, standard products such as Drools for the rules of the application and JBPM for the time-controlled execution of the workflows are now also being used. The user interface is migrated from Microsoft VB to Java. There is also a data migration from Microsoft SQL Server to Oracle. The various tools for process monitoring and for the fully automated cleaning of the signatures are left in C#,  
  
**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

07/2009 – 03/2012  
Proj200907033101PJ

Unimon GmbH, Zurich  
**Project manager real-time drinking water monitoring P 02**  
**Dual role as project manager**

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There are now many different online measuring systems for monitoring water quality, which can measure relevant parameters using different methods. However, not every system is equally suitable for the respective measurement task. There are differences in terms of maintenance, measurement accuracy, procurement and operating costs, and day-to-day handling.

In version 2, the existing application for monitoring drinking water is adapted to new customer requirements. New calculation models are integrated and interfaces for new measuring techniques and measuring probes are developed. No adjustments are made to the programming languages and databases used.

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

10/2009 – 11/2009  
Proj200810113001PJ

Sulzer Metco, Wohlen  
**Chart Sulzer Metco - Microsoft Access, VBA, VB 6.0**  
**Dual role as project manager**

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Creation of an Adin using Microsoft VB 6.0 to provide and calculate graphic diagrams, in which complex interpolations are calculated to complete the diagrams. The add-in was developed for a Microsoft Access database from Sulzer Metco and is used in forms and reports in the Microsoft Access application.

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

10/2009 – 11/2009  
Proj200910113001PJ

Kisotec GmbH, Wallisellen  
**Kisotec K3 website**  
**Dual role as project manager**

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Creation of the website for the company presentation of the company Kisotec. The company's services are presented on the Internet, the software of the same name is promoted, the software is made available on the Internet as a test and demo version, sale of the full version of the Kisotec K3 software, downloading of the full version of the Kisotec K3 software, payment is made by means of credit cards, the license agreement is automatically generated and the license key is automatically sent to the customer, as well as the possibility of obtaining the Kisotec K3 software by CD mailing.

05/2009 – 06/2009  
Proj200905063001PJ

A+A, Wohlen  
**Project Manager DDF**

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Application for managing documents of any kind. Documents are managed using different file formats. The documents are versioned and stored in a central database. Various relational databases are used (e.g. Oracle, Microsoft SQL Server etc.). The documents are read in using batch processing and stored in the database. Of course, the documents can be exported from the database again at any time. Implementing new customer requirements. Integration of a new license model.

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

09/2008 – 03/2009  
Proj2008090501PJ

Canton of Zurich, Zurich  
**Project manager BSPM adult education P 01**  
**Dual role as project manager**

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Creation of an internet portal for the "Adult Education" institution of the Canton of Zurich. The aim of the project is to implement question answers using a "multiple choice" system. To do this, a CMS system had to be programmed, with the help of which any questions could be asked. Based on the answers received, an evaluation of the students can be carried out.

It is thus possible to use the created portal for surveys, for example. The portal can also be used for exam purposes and the questions can be divided into categories. The student is automatically guided through the questions. The process is constantly monitored and it is not possible for the student to omit or skip certain questions. It is also possible to set a time limit for the questionnaire.

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

05/2005 – 12/2008  
Proj200505123101PJ

Sysrom, Beckenried  
**Project manager CAD drawing management software**

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Creation of an application for the management and visualization of the drawings created using the in-house CAD application. The integration designations are made using a DLL written in C++, the implementation of the application using Microsoft Access as a database and VB .NET for the implementation of the logic and the user interfaces (front end).

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

01/2003 – 12/2006  
Proj200301123101PJ

UBS AG, Zurich  
**Project Manager Signs Version 2.0**

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Migration of the first prototype, which was created in 2001-2003, from Microsoft Access and VBA to Microsoft SQL Server, Visual Basic and C#. The central core of the application remains the database compiler, which is able to create Transact SQL functions and procedures recursively based on flow charts and to execute them on the Microsoft SQL server in a time-controlled manner. The prototype is expanded to include various smaller applications that are able to clean up the signature submitted by the employee in various processes and save it as an image. These signatures are then published both on the Internet and on the bank-wide extranet.

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

04/2005 – 07/2005  
Proj200504073101PJ

Zurich Insurance, Zurich  
**Project Manager ZFS**

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Creation of the ZFS application for managing Zurich Insurance tickets. An MS Access solution serves as the database and the front end and the forms are implemented using Access Forms and VBA. Logic is also implemented using VBA.

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project



environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

07/2004 – 06/2005  
Proj200407063001PJ

Fuchs group, Aarau  
**Project manager INKA**

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Support for the Fuchsgroup company in the realization and implementation of requirements in the area of Microsoft SQL Server developments, regardless of the application. Complex stored functions and complex dynamic SQL statements are implemented.

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

07/2004 – 10/2004  
Proj200407103101PJ

Hörservice AG, Zurich  
**Project Manager Microsoft SQL Server Development – T-SQL, SQL**

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Support for the Fuchsgroup company in the realization and implementation of requirements in the area of Microsoft SQL Server developments, regardless of the application. Complex stored functions and complex dynamic SQL statements are implemented.

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

02/2004 – 09/2004  
Proj200402093001PJ

ETH Zurich, Zurich  
**Project manager eye tester**

---

The system can perform more measurements related to eyesight than is possible with conventional systems. Measurements: visual acuity vergence, image formation, clinical measures of visual acuity, equivalence of measures, screening visual acuity in occupational safety, contrast, lighting, visual performance, signal detection theory, visual performance in the elderly, lenses for presbyopes. Various existing errors are corrected at the same time and user interfaces are adapted according to the customer's specifications. Based on the measurement results, additional values are calculated using complex formulas and displayed graphically. Development of the interfaces to the test system (hardware), implementation of the calculation models, implementation of the evaluations. implementation of customer requirements, of corrections and extensions using Microsoft C++. Testing and documentation (technical).

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

01/2004 – 03/2004  
Proj200401033101PJ

Worldspan, Zurich  
**template management**

---

Creation of a template administration using Microsoft Access as backend and Visual Basic 6.0 as frontend. Templates for the applications Microsoft Word, Microsoft Excel, Microsoft PowerPoint and Microsoft Publisher are managed. The templates are managed in multiple languages and the management is user-related. The application is implemented using Microsoft Access, Microsoft VB 6.0 and SQL.

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project

environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

01.2001 – 12.2003  
Proj200101123101PJ

UBS AG, Zurich  
**Project Manager Signs Version 1.0**

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Ordering a prototype for the application or for the project Database Compiler, which is to be started in 2003. The prototype is developed using Microsoft Access and VBA as well as Microsoft VB 6.0. The aim is to be able to keep the migration as simple as possible when the application is implemented later. A migration from Microsoft Access to Microsoft SQL Server is the easiest way to keep migration costs as low as possible.

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

02/2003 – 11/2003  
Proj200401033101PJ

Lüscher, Leutwil  
**Project Manager JET PRINT**

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UV laser light is highly focused. It penetrates straight and deep into the polymer material to directly crosslink its layers. This leads to sharp and deep flanks and open reserves for high-pressure forms. Small positive elements such as lines, text and relevant subtleties must be supported with optimal flanks. A black pixel zone means that 100% of the imaging energy is used during a preset number of scans. This corresponds to the input TIFF file. A white pixel zone means that no energy is being applied and the polymer is not being crosslinked. Different shades of gray for a pixel represent different levels of imaging energy. UV imaging has the potential of a universal imaging technology for the printing sector. printing forms for offset, Flexographic and screen printing as well as varnish and spot colors. Further applications are currently being developed.

The high resolution makes it possible, for example, to print "interspersed" macro fonts that are barely visible to the naked eye. "Lüscher" is geared almost 100 percent to export. Implementation of customer requirements using C++. Testing and documentation (technical).

**Responsible:** to plan, coordinate and control the project efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

03/2002 – 06/2002  
Proj200203063001PJ

Adecco, Wallisellen  
**Project manager folder filing system**

---

Creation of an application for managing folders using Microsoft Access for the corporate management of the Adecco company. The folder, its contents, the storage location in the form of the shelf and the exact location on the shelf are catalogued. An interface for the import of existing Excel files is implemented. The application is developed using Microsoft Access and VBA.

**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

01/2001 – 01/2001  
Proj200101013101PJ

UBS AG, Zurich  
**Project Manager Project Monitoring**

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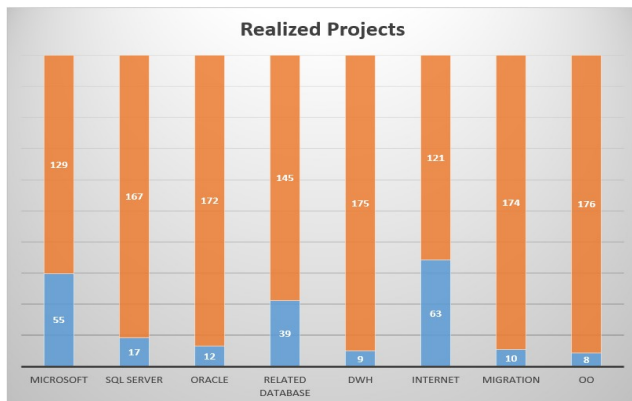
Creating a project monitoring application for the office of the board of directors of UBS AG. On the one hand, projects are technically managed in terms of budget and effort

and, on the other hand, they are compared with the effectively posted financial data. The application was developed using Microsoft Access, VBA, SQL as well as Microsoft Excel and VB 6.0.

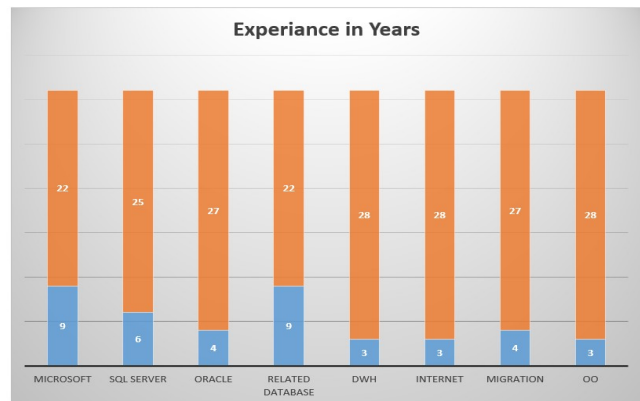
**Responsible:** to plan, coordinate and control projects efficiently. Traditional tools such as network planning, project cost planning and resource planning help him with this. The newer planning instruments also include project definition, analysis of the project environment, project structure planning and phase-related workshops (project start, milestone, project completion workshop).

For detailed information on the PL, PMO, PLA projects described here, please see Appendix PB Detail – PMO PL PLA Projects.docx

## PROJECT OVERVIEW



Realized projects per development area



Experience in each development area

The two graphics above illustrate the number of projects implemented in the respective areas as well as the years of experience in the respective areas. It should be mentioned here that the Microsoft, Microsoft SQL Server and DWH areas sometimes have the same projects, since a project that was implemented using Microsoft SQL Server or a data warehouse, which was also implemented using Microsoft SQL Server, also definitely listed in the Microsoft section.

Number of Microsoft projects	55	Experience Microsoft projects	9
Number of Microsoft SQL Server projects	17	Experience Microsoft SQL Server projects	6
Number of Oracle projects	12	Experience Oracle projects	4
Number of relational database projects	39	Experience in relational database projects	9
Number of data warehouse projects	9	Experience in data warehouse projects	3
Number of internet projects	81	Internet projects experience	3
Number of migration projects	10	Experience migration projects	4
Number of OO projects	8	thexperience projects	3

## SPECIAL SKILLS / CERTIFICATIONS

### Additional project knowledge

Requirement engineering, real-time development, SIHL Level 4 programming, image processing with C# (WPF, WCF, WWF etc.), data migrations from SAP to Project Server and vice versa, creation of patent specifications, project management, project management committee for banks, data and application migrations.

### patents

[Worldwide patent for working time control using Biometrics.](#)

[Worldwide patent for addressing endpoints in distributed heterogeneous nets.](#)

### Customer patents arose from projects

UBS AG, [worldwide patented database compiler \(SQL Server, Oracle\)](#).

### **certifications**

In August 2010 I was certified by UBS AG Due Diligence. In the technical area, the certification (performance audit) related to the organization of the project management and the project administration, the team management and the technical knowledge regarding the implementation of database projects.

## **TRAINING & STUDIES / FURTHER EDUCATION / BANKING KNOWLEDGE / LANGUAGES**

### **Languages**

German: mother tongue  
English: Fluent in oral and written (C1)  
French: Basic oral and written knowledge

### **Special banking knowledge, certifications**

2019 Cyber Security & Social Engineering  
2019 Information Security and Records Management  
2019 Working with Respect  
2019 market behavior  
2018 Prevention of financial crimes  
2018 SDLC  
2018 SERA / MER  
2018 Understanding CID and policy compliant data  
2018 training for EU General Data Protection Regulation

### **Continuing education**

2005 Oracle  
2005 Hyperion food base  
2004 OracleSQL tuning  
2004 Oracle: PL/SQL  
2001 Oracle Database  
1997 OO analysis and design  
1996 Advanced Java Concepts  
1996 Advanced SQL  
1994 Java introduction  
1994 Java user interfaces  
1993 Delphi database development  
1993 Advanced Course Borland Delphi  
1992 Development with Borland Delphi  
1992 Application development with Delphi  
1991 VisualBasicProgramming course 2  
1990 VisualBasicProgramming course 1

### **Current further training 2022 (refresher and further training)**

2022 SQL Server SSIS Training  
2022 SQL Server Administration Part 01  
2022 SQL Server SSAS Multidimensional MDX  
2022 SQL Server SSAS MDX Training  
2022 SQL Server SSIS Training UC  
2022 SQL Server Mastering SQL Server Reporting Services (SSRS)  
2022 SQL Server Mastering Reporting Services (SSRS)  
2022 SQL Server Reporting Services\_(SSRS)  
2022 SQL Server Mastering SQL Server Integration Services (SSIS)  
2022 SQL Server Learn MSBI SSIS SSAS SSRS  
  
2022 Microsoft Azure Fundamentals  
2022 Microsoft Azure Administration Exam Certification  
2022 Microsoft Azure Active Directory And Azure AD Domain Services  
2022 Microsoft Azure Fundamentals Test  
2022 Microsoft Azure Administration Exam Certification

## **Training & Studies**

- 1985 – 1988 Studied at the Technical University of Applied Sciences NWS, specializing in microprocessor technology.
- 1980-1984 Apprenticeship as a mechanic with passed vocational qualification, vocational training at Company Delta AG in Solothurn.
- 1979-1980 Secondary School in Wangs–Pizol (10th grade)
- 1976 – 1979 Secondary school in Langendorf
- 1970-1976 Elementary school in Langendorf

## **INDUSTRY AND DEVELOPMENT ENVIRONMENT**

### **Knowledge in the software areas**

- Development and implementation of management software
- Development and implementation of customer administrations
- Development and implementation of Laboratory and medical software
- Development and implementation of risk analysis
- Development and implementation of financial software
- Development and implementation of e-banking software
- Development and implementation of stock recommendations
- Development and implementation of ETL routes and DWH's
- Development and implementation of SDLC software
- Development and implementation of Lifecycle Calculations
- Development and implementation of Performance Tuning (DB)
- Development and implementation of Project management and working and project times
- Development and implementation of migrations
- Development and implementation of Credit Card Software
- Development and implementation of interfaces
- Development and implementation of legal requirements
- Development and implementation of Internet applications and websites

### **areas in industry**

- private banking
- investment banks
- banks in general
- Bank administration and management
- reinsurance
- B2B insurance
- insurances
- Research and Development
- Industry
- retail trade
- start-up companies
- Government and Administration
- car industry
- private individuals
- schools and further education
- Medical Laboratories
- escrow
- kitchens and hotels
- rail and transportation
- recruiter
- telecommunications
- chemical corporations
- biology company
- printer manufacturer

## MISCELLANEOUS

### places of work

Switzerland, Germany (FRG-wide), Austria, Liechtenstein, Europe.  
Willingness to travel nationally and internationally.

### Salary

- Permanent position depending on the overall package
- Project-based depending on the task and type of use (REMOTE)PHP / WEB development REMOTE - 30.00 - 50.00 euros per hour.VBA development REMOTE - 40.00 - 50.00 euros per hour.Database development REMOTE - 60.00 - 70.00 euros per hour.Project management REMOTE - 60.00 - 70.00 euros per hour.
- Project-based depending on the task and type of use (ON SITE)PHP / WEB development ON SITE - 70.00 - 80.00 euros per hour.VBA development ON SITE - 70.00 - 80.00 euros per hour.Database development ON SITE - 70.00 - 80.00 euros per hour.Project management ON SITE - 70.00 - 80.00 euros per hour.

**IMPORTANT:** All approaches are negotiable!!!

Depending on the project, negotiable from the remote portion.

### Availability

From 03/01/2023 at 100%

### hobbies

Relationship, nature, dog (animals), sports, new technologies, social commitment, classical music

## CREDENTIALS

Upon request

## SIDE DISHES

- Write to
- Overview of all projects and skills, sorted by date
- Reference list on request