

Project description DWH PROJECTS

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

Microsoft software developer, software architect, project manager, requirement analyst and consultant. Database development in the area of Microsoft SQL Server as well as 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 area of SQL Server using T-SQL and SSIS. Data warehouse developer, architect and consultant in the area of Microsoft SQL Server using T-SQL, SSIS, SSAS and SSRS..

PERSONAL DATA

Name: Stefan Troehler

Phone P CH: +41 (0)56 511 60 17
Phone G CH: +41 (0)56 511 60 15
Phone G DE: Follows
Mobile G CH: +41 (0)76 737 00 84

E-Mail: stefan.troehler@troehler.it
Website: <https://troehler.bs4y.site/>
Portfolio: <https://portfolio.bs4y.site/>
Company: <https://web.bs4y.site/>

Date of birth: 21.09.1964
Civil status: Divorced
Nationality: CH / Swiss



Address Switzerland	Company address CH	Company address DE	Company address AT
Stefan Tröhler Luzernerstrasse 24 5712 Beinwil am See (Registration address)	bs4y stefan troehler Luzernerstrasse 24 5712 Beinwil am See (Company address)	bs4y stefan troehler Leopoldstraße 31 80802 München (Company address)	bs4y stefan troehler Neubaugasse 24/1 8020 Graz (Company address)

MARKET PERFORMANCE

My CONTRIBUTION

Due to my several years of profound experience in the fields of requirement engineering, design of applications, databases and multi-layer architectures, development, realisation and implementation, support and maintenance, in the environment of MICROSOFT, DATABASE AND DWH DEVELOPMENT, I am able to identify quickly and competently with your project and to implement organisational and technical optimisation approaches professionally. Due to my flair for new technologies and my high level of technical understanding, I can professionally implement new solution ideas into 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 more than 100 realised projects in the functions of software developer and consultant for IT projects in the three areas of Microsoft development, database development and database administration, I can be an enormous enrichment for your team as well as for your project. With my commitment and my professional competence I can significantly contribute to a goal-oriented and professional completion of your project. Below is an excerpt from my technical knowledge and experience of the past 30 years:

Database development and consulting

- Database Consultant / Architect and Developer for Microsoft SQL Server, Oracle, Sybase and PostgreSQL Databases.
- Data Warehouse Consultant / Architect and developer with profound technical knowledge.
- Profound expertise in SQL, T-SQL, SSIS, SSAS OLAP Cubes Design, Stored Procedure, Function Development, ETL with SQL Server Integration Services (SSIS), Reporting with SQL Server Reporting Services (SSRS), SQL Server Analysis Service CUBEs, (SSAS), database optimisation and data migration.
- Maintenance and support of multi-tier database systems and database applications.
- Profound expertise 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, Essbase.

General

- Logical, analytical thinking combined with a high level of understanding for the technical implementation of requirements.
- Competent in negotiations, convincing and entrepreneurial thinking.
- Very good knowledge of German and English, both spoken and written.

WORK EXPERIENCE RELATIONAL DATABASE PROJECTS

- Oct 2018 – Nov 2018 Mann+Hummel, Speyer, Germany
SSIS packages analysis for migration SQL Server 2010 to Microsoft SQL Server 2018 - MSSQL T-SQL, SSIS, ETL
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- Developing a concept for the cost-effective migration of 600 SSIS packages, consisting of an analysis of all existing packages, dividing the packages into three groups, underpinning the concept including calculating the time needed for migration, and developing several options for a cost-effective implementation of the entire migration. The implementation is partly done with in-house staff, with students and with migration specialists. The concept also takes into account performance optimisation of the individual SSIS packages.
- Analysis of all existing packages (600 SSIS packages).
 - Develop a concept for the most cost-effective migration, taking into account:
 - Performance increase for DWH packages.
 - Migration of SAP packages.
 - Migration of own components.
 - Migration of standard components.
 - The 30-page analysis contains the complete procedure for the 600 SSIS packages.
- Feb 2018 – Mer 2019 Volkswagen, Wolfsburg
Microsoft SQL Server DWH Developer / Consultant - Microsoft SQL Server T-SQL, SSIS, SCCM
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- The aim of the project is to generate 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 implemented 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.
- Develop DWH load procedures using SQL Server.
 - Loading the staging tables.
 - Loading the DWH tables.
 - Implementing the VAULT schemas.
 - Creating the ETL processes (stage).
 - Modelling of the schemas based on the business requirements.
 - Clarifications with the business.
 - Loading of data from SAP.

- Data refinement and data mapping.

Feb 2017 – Mar 2017

ElipsLife, Opfikon

Microsoft SQL Server DWH Developer - T-SQL, ETL

Creation of ETL routes for filling the financial data warehouse of the company ElipsLife. The tables of the data warehouse are first filled in the stage area and then, after transformation, in the area of the data warehouse. Both the stage database and the data warehouse are filled by calling stored functions that were implemented in T-SQL. Since the data warehouse is a data vault schema, the filling of the tables of the data warehouse is done according to exact rules. Only one statement is provided for filling the hubs, links or satellites. 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, test them, document them and integrate them into the system. The development will be implemented using Microsoft SQL Server 2016 and Microsoft T-SQL. Some functionalities are implemented using Microsoft SSIS packages; these are also tested and documented.

- Develop DWH load procedures using SQL Server.
- Loading the DWH tables.
- Implementing the STAR and the VAULT schema.
- Creating the ETL processes (stage).
- Modelling of the schemas based on the business requirements.
- Clarification with the business.
- Loading of data from SAP.
- Data refinement and data mapping.

Apr 2015 – Sep 2016

Swiss Life, Zurich

Microsoft SQL Server Developer - T-SQL, SSIS

Creation of ETL routes for filling the internet platforms of the company Swisslife. The tables of the databases behind the internet platforms are filled, but also the data of the data warehouse. Depending on the data source, a preload or a load is first made using stored functions in T-SQL. Subsequently, the data is transformed a first time and loaded into the load structure. Subsequently, the data is refined or transformed a second time and the data transformation is carried out using complex stored functions. Afterwards, the data is loaded into the internet databases on the one hand, and into the data warehouse on the other hand, taking into account the key values. The task is to write dynamic stored procedures for filling these tables, test them, document them and integrate them into the system. The development will be 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.
- Creating the concepts.
- Expanding and creating the data models.
- Extracting and loading all data for the internet portals MyLive and MyWorld.
- Creating SSIS packages.
- Creating stored procedures (T-SQL) for transforming the data.
Data preparation is continuously adapted to the new requirements of reporting adapted.

Oct 2012 – Jan 2016

Bohmann-Laing, Garrel

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

Creating a data warehouse as a management tool for old people's 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 are refined or transformed and then brought into the correct structure in order to be able to fill the standing schema of the data warehouse. Subsequently, the cubes are formed using SSAS and a report set is set up on the cubes using SSRS. The ETL routes are developed as stored procedures using T-SQL and SSIS. 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).
- Creation of the cubes (SSAS).
- Creation of reports and ad-hoc evaluations (SSRS).
- Training of the internal SQL developers for the creation of ETL processes, cubes, evaluations and reports.
- Creation of a concept for the application COSY (new CURALYS).
- Windows application using C#.
- Evaluations with Tableau.

Sep 2013 – Dez 2015 IBM Schweiz, Basel

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

This project is about loading the customer data from IBM Europe into the corresponding databases. This is done by means of stored functions, which are implemented in T-SQL. Parallel to the implementation by means of stored procedures, various ETL routes are also developed by means of 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 and loaded onto the DWH without transformation.
- Using stored procedures (T-SQL), the data is prepared for reporting after loading
- Data preparation is continuously adapted to the new needs of reporting. reporting needs.
- The same applies to the underlying database schemas.
- Creation of reports using Cognos.

Sep 2012 – Jan 2013 Liebherr, Germany

Migration DWH from Cognos 7 to Microsoft SQL Server

The aim of the project is to migrate 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 realised using SSRS. Thus, in 2012, the entire data warehouse was converted or migrated from Cognos to Microsoft SQL Server. The task was to support and train the database developers at Liebherr so that they could successfully implement this migration. In special cases, development work was also carried out on more complex tasks that could not be solved by the teams.

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

May 2007 – Nov 2007 Converium AG, Zürich

SQL Server Developer - Microsoft SQL Server, T-SQL, SQL

Integration of various risk calculations and risk analyses 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.

- Implement calculation functions for risk calculation.
- Implementation of the specifications on the part of the business (integration of

- risk analyses using T-SQL).
- Making technical clarifications and implementing internal evaluations. evaluations.
- Implementing complex risk calculation for the individual business business areas.
- Mathematicians define complex logic to be applied to the data.
- Implement minor changes to the data model.
- Generate new reports for the relevant committees.
- In rare cases, customise VB user interfaces.

Mar 2005 – Sep 2005

Hanex AG, Poznan

Oracle, Hyprion Essbase – PL-SQL, SQL, Oracle

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

- Create a data warehouse with the data from different sources.
- Loading data into the data warehouse using ETL processes.
- Data mining of the long-term data stored in the data warehouse.
- Evaluation of this data warehouse data.
- Loading data from distributed and differently structured datasets.
- Separation of the data used for the operative business.
- Provision of the necessary infrastructure (Oracle, Excel, Essbase Add- In etc.).
- Access to the necessary provided data via Excel Add-In (Essbase).
- Filtering, sorting and refining the data using MS Excel (VBA, Array).
- The Excel reports are created using VBA.
- Creating the queries for data reference (SQL).
- Interface development from SAP to the data warehouse (LDAP, ABAP).

Mar 2001 – Sep 2001

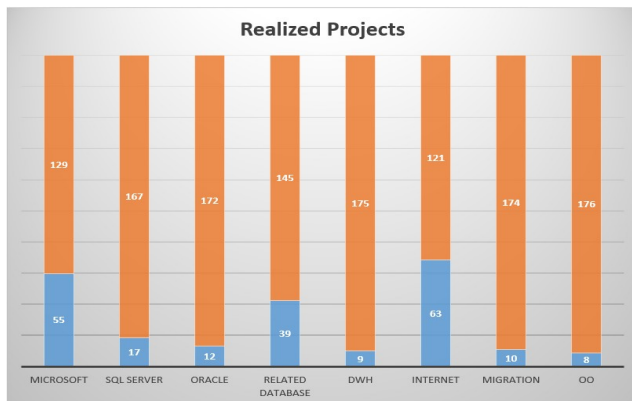
UBS AG, Zurich

Customer evaluation - Oracle, PL-SQL, SQL

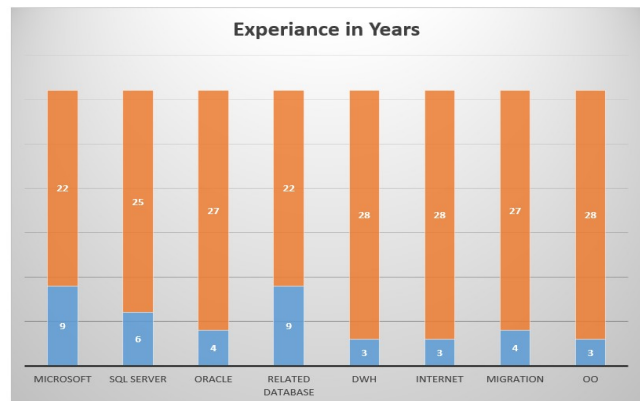
Ordering an application to evaluate the assets under management per client advisor. The database is an Oracle database supplemented with a Hyperion Essbase data cube, which is the source for the evaluations. The individual evaluations are set up on this data cube using Excel and the data for the ranking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

- Realise a course or school administration to manage students, timetables, lecturers, course rooms, documents, exams, scores, etc.
- Consolidation of examination results.
- Administration of teaching materials and administration of exams.
- The idea is to integrate and automate as much of the school administration as possible in one application.
- In order to be able to guarantee automation, various interfaces to other applications such as Shugar, Outlook etc. will be developed. Realisation.
- Testing and documentation (user and technical).

PROJECT OVERVIEW



Realised projects per development area



Experience per development area

The two graphs above illustrate the number of projects realised in the respective areas as well as the experience in years in the respective areas. It is important to mention that the areas Microsoft, Microsoft SQL Server and DWH partly show the same projects, since a project that was realised using Microsoft SQL Server or a data warehouse that was also realised using Microsoft SQL Server is certainly also listed in the Microsoft area.

Number Microsoft- Projects	55	Experience Microsoft- Projects	9
Number Microsoft SQL Server- Projects	17	Experience Microsoft SQL Server- Projects	6
Number Oracle- Projects	12	Experience Oracle- Projects	4
Number relationale Datenbank- Projects	39	Experience relationale Datenbank- Projects	9
Number Data-Warehouse- Projects	9	Experience Data-Warehouse- Projects	3
Number Internet- Projects	81	Experience Internet- Projects	3
Number Migrations- Projects	10	Experience Migrations- Projects	4
Number OO- Projects	8	Experience 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, preparation of patent specifications, project management, project management committee banks, data and application migrations.

Patents

Worldwide patent for working time control by means of biometrics.
Worldwide patent for addressing endpoints in distributed heterogeneous networks.

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 Dilligence. The certification (performance audit) concerned in the technical area the organisation of project management and project administration, team leadership and technical knowledge regarding the implementation of database projects.

EDUCATION & STUDIES / FURTHER EDUCATION / BANKING KNOWLEDGE / LANGUAGES

Languages

German: Mother Language
English: Fluent speaking and writing (C1)
French: Basic knowledge spoken and written

Special banking knowledge, certifications

2019 Cyber Security & Social Engineering

2019	Information Security and Records Management
2019	Working with Respect
2019	Market Conduct
2018	Financial Crime Prevention
2018	SDLC
2018	SERA / MER
2018	Understanding CID and policy compliant data
2018	Training on the EU General Data Protection Regulation

Further education

2005	Oracle
2005	Hyperion Essbase
2004	Oracle SQL Tuning
2004	Oracle: PL/SQL
2001	Oracle Database
1997	OO Analysis and Design
1996	Java Advanced Concepts
1996	SQL for Advanced Users
1994	Java Introduction
1994	Java User Interfaces
1993	Delphi Database Development
1993	Advanced Borland Delphi Course
1992	Development with Borland Delphi
1992	Application Development with Delphi
1991	Visual Basic Programming Course 2
1990	Visual Basic Programming Course 1

Training & Studies

1985 - 1988	Studied at the Technical University of Applied Sciences NWS, specialising in microprocessor technology.
1980 - 1984	Apprenticeship as a mechanic, passed vocational examination, vocational training at the company Delta AG in Solothurn.
1979 - 1980	Secondary school in Wangs-Pizol (10th grade)
1976 - 1979	Secondary school in Langendorf
1970 - 1976	Primary school in Langendorf

INDUSTRY AND DEVELOPMENT ENVIRONMENT

Knowledge in the fields of

Knowledge in

Development and implementation of **management software**

Development and implementation of **client management software**

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 work 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**

Industry sector

Private Banking
Investment Banks
Banks in general
Banks Administration and Management
Reinsurance
B2B Insurances
Insurance
Research and development
Industry
Retail trade
Start-up companies
Government and administration
Car industry
Private individuals
Schools and further education
Medical laboratories
Trust
Kitchens and Hotel
Railways and Transport
Recruitment agencies
Telecommunications
Chemical companies
Biology companies
Printer manufacturers

DIVERSES

Work locations

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

Salary

Permanent position depending on overall package
Project basis on site 60.00 Euro / 70.00 SFr. per hour - 80.00 Euro / 100.00 SFr. per hour.
Project basis remote 50.00 Euro / 60.00 SFr. per hour - 80.00 Euro / 100.00 SFr. per hour.

Depending on the project, remote share and negotiable.

Availability

From 31.12.2020 at 100%

Hobbys

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

REFERENCES

On request

ATTACHMENTS

- Cover letter
- Overview of all projects and skills, sorted by date
- Reference list on request