



Stefan Menten

Software Services

Application Development and Consulting

Profil

Person

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Born: 26.09.1960

Education/Career

1980-92: Member of the German Army, at last as chief helicopter mechanic Bell UH1D
1990-92: Qualification and graduation as "Staatl. geprüften Techniker", subject engineering, thematic priority "aviation technology"
1992: Qualification as business economist with an engineering priority
1993/94: Qualification as information scientist with an engineering priority (CDI)
July 1994 till September 1995: Employed as system engineer and developer into an IT Company
Since October 1995: Employed as administrator and developer, later as business unit manager for a service provider of travel medicine informations
Since May 2000: Self-employed with priority in application development, database development, and consulting
2002/03: Qualification and graduation to MCSE Windows 2000 (Microsoft Certified Systems Engineer) and MCDBA SQL-Server 2000 (Microsoft Certified Database Administrator)

Development: Knowledge, Experience, Priorities

Development languages

Delphi (Version 1 to XE7), C, C++, C#

Databases

Desktop-Databases: Access, Paradox, dBase

SQL-Databases: MS SQL-Server (MCDBA, DTS, SSIS), MySQL,

Other: ODBC, BDE, SQL

Experiences and Standards

Experiences:

- Project management and Controlling of IT-Projects
- Conception of business applications and databases (business processes, data integration, reporting etc.).
- Development of Windows applications with or without database access mainly using Embarcadero Delphi version 1 to XE7
- Development of applications for in-house use and for distribution on CD or over the internet.
- Development of databases (design and implementation) mainly with MS SQL-Server.
- Development of **SSIS-Packages** (Data Transformation Service, Integration Services) with MS SQL-Server for ETL
- Development of reports with Business Objects Crystal Reports, Microsoft SQL-Server Reporting Services, or other reporting engines
- Authoring of online help, and setup packages (**Help&Manual, InnoScript**).

Methods:

- OOP: Analysis, Design, Development

Actual Training:

- SAP Business Objects Web Intelligence: Report Design and Advanced Report Design (BOW 310 und 320; Mai 2014, Windhoff Software Services Münster)
- Microsoft Virtual Academy: SQL-Server 2012 technical overview
- Microsoft Virtual Academy: Windows Phone 8.1 development
- Initial training Microsoft SQL-Server 2012 Reporting Services
- Microsoft Virtual Academy: Windows 10 Basics for Developer

Reference Projects

The following lineup consist only of the most substantial and comprehensive projects.

Projects
(Overview): **Development of applications for Microsoft Windows (all Versions incl. Windows 10);**
Development of server **applications and services** for Microsoft Windows
Development of databases and database frondends for various fields of applications;
Data migration from legacy system, incl. transformation, consolidation, remodeling, and enrichment;
Development of SSIS Packeges for import/export, deployment, transfe;
Anylyses and reports with Crystal Reports and SQL-Server Reporting Services;
Planning and realization of software migrations;

Projekt: **Implementation of a Serial Number Management and Migration of historic Data**

Zeitraum: Since January 2017

Firma: Faiveley Transport Witten GmbH

So far, the serial number management in the concerned departments (Manufacturing, Quality, Logistics) and the creation of type plates was spread over three different application, even because of the physical cut-of.

Because all these applications are outdated, a new SQL-Server based solution will be developed, and the historic data gets migrated into this new application.

The new application manages the serial numbers and supports an easy allocation based on manufacturing orders or bill of material lists (BOM). It organizes the print out of type plates using LabelStar Office and a CF VARIO III label printer.

(SQL-Server 2012, Delphi XE7, DeveloperExpress, FastReport, MS Access, LabelStar Office)

Projekt: **Prearrangement of the Implementation of a Product Data Management Solution**

Zeitraum: June to December 2016

Firma: Faiveley Transport Witten GmbH

To optimize the development, especially in cooperation with other worldwide sites of the Faiveley Group, a product data management (PDM) will be introduced. As solution TeamCenter was selected and installed into a central data center.

Bevor the sites can use the solution, the existing data have to be prepared for the migration. Concerned are several hundred Gigabyte of CATIA data plus other relevant data (certifications, specifications, inspection protocols and so on).

For this, an application gets prepared, that analyses ERP data and matches it with the CATIA data. Additionally, the application can analyze the CATIA data using XFile to expose possible problems.

(SQL-Server 2012, C#, CATIA, XFile V5)

Projekt: **Composition of a local Reporting Solution using Microsoft Sql-Server Reporting Services**

Zeitraum: January 2016 to June 2017

Firma: Faiveley Transport Witten GmbH

After the Migration of the ERP system to Infor M3, a local reporting solutions was implemented for reports the group wide BI does not cover.

For that raw data from central ERP where imported into a SQL-server database and published using SQL-Server Reporting Services.

Additionally, above mentioned raw data are used into different applications to manage serial numbers, type plates, quality inspections and so on. For that, specialized applications are developed and introduced.

(SQL-Server 2012, Delphi XE7, SSIS, SSRS)

Projekt: **Project Support for the Migration of the ERP System „Movex“ to the Successor „M3“ (both Infor Enterprise)**

Zeitraum: March 2014 to March 2016

Firma: Faiveley Transport Witten GmbH

For the migration of the ERP system „MOVEX“ to its successor „M3“, all the data from legacy system must be extracted, moved to the structure of the new M3. Because the new system was setup with completely different structure, it was not a simple upgrade, but a complete new integration. For that, data needs to be revised, re-aligned, and partly generated because for example the new system requires purchase agreements, that the old system never used.

The Data are validated in cooperation of the local key users with the functional leaders and BPOs. In Site Acceptance Test the loaded data are checked together with the different departments and the international sites.

Additionally, data from MOVEX and other legacy applications, that are not migrated to the new ERP, are moved to a local database and made available using new developed applications.

(Infor Movex und M3, Delphi XE7, FastReport, SQL-Server, DB2)

Project: **Development of an Application for the Collection, Management, and Analysis of Measured Values**

Timeframe: 1994-1999, Dec. 2008 to Sept. 2009, June to September 2014

Client: Manufacturer of Measurement Devices for the chemical biologic (HACH Lange GmbH, Düsseldorf)

Software: The Application collects values over seriell interface, that a divece for the measurement of the water quality delivers. The device works with shining bacteria. The collected values are stored into a database, and can analysed with different mathematical prodedures.

The application was first developed with Visual Basis 3, then migrated to Delphi 3, and later to Delphi 2007. In 2009 the user interface gets updated to better work with Windows XP and Vista.

Actually the applications gets migrated to Delphi XE5 and modernized to preserve its usability for Windows 7 and 8.

(Delphi 2007, XE5 with DevExpress Quantum Grid 6.3, nrComm, QuickReport, TChart, InnoSetup)

Projekt: **Migration of Delphi 7 Applications to Delphi XE7**
Zeitraum: July 2014 to January 2016
Firma: Information Service Provider (Centrum für Reisemedizin; Düsseldorf)
In preparation of an infrastructure update different applications for the internal management needs to be updated. The applications are migrated from Delphi 7 to Delphi XE7 and the database access is moved to OLEDB.
(Delphi 7, XE7, SQL-Server, SSIS, SSRS)

Projekt: **Adaption and Enhancement of Professional Advisory Software**
Timeframe: January 2012 to March 2014
Client: Insurance (Allianz Stuttgart)
Existing applications for the customer advisory service are updated and enhanced with new functionality. An HTML5/Cappuccino application gets developed from the scratch. Parts of the business logic for the application gets deployed with a DLL interface using existing Delphi, and C/C++ functionality.
(Delphi, C, C++, HTML5-Framework Cappuccino, UML, Scrum)

Project: **Re-Implementation of different Application Modules**
Timeframe: 2011, 2012
Client: Manufacturer of resource planning software (Sage AG, Mönchengladbach)
In different project modules of an existing resource planning software gets re-implemented. The Modules are

- Batch Management
- Cash Point Module
- Serial Number Management

Based on functional specifications the implementation takes place in cooperation with the project manager and other developers.
(Delphi, Object-Pascal, MS Sql-Server, MySql, MS Access)

Project: **User Training Borland Delphi**
Timeframe: April 2008, November/December 2009,
Client: Software- and System House (Lauer & Fischer, Haan)
Schulung: Concept and execution of a two trainings with Borland Delphi, covering the complete development process and a comprehensive view of all topics.
Delphi, Object-Pascal, OOP, Datenbanken

Project: **Development of a Management Information System**
Timeframe: January 2009 to August 2011
Client: Mid-tier wholesale for screws, and accessories (Max Mothes GmbH, Düsseldorf)
Software: Developed gets a Management Information System (MIS) based on data from Microsoft DYNAMICS NAV (Navision) and other data sources. The relevant data (Invoice, Accounting, Logistics, Payroll, Sales) are transferred to an own database, and if necessary consolidated. The data are analyzed and reported using Crystal Reports, and published via a web interface (ASP.NET).
Part of the project is the validation of the data, the conception of necessary changes of the underlying databases and applications, and the revision of the results of these changes.
(SQL-Server 2000, 2005 und 2008, DTS, SSIS, Crystal Reports 2008, ASP.NET, DYNAMICS NAV (Navision))

Project: **Migration of Applications within a Joint Venture**
Timeframe: May to October 2008
Client:: Aluminum workmanship (ALCOA/SAPA Profiles, Drunen, Nederland)
The corporation „SAPA Profiles“ is the result of a joint venture of the companies Alcoa and SAPA, where they concentrated there profiles branches. SAPA Profiles employs 12,000 workers at 18 locations worldwide. The project transfers the complete software infrastructure from datacenters all over the world to one datacenter located in Stockholm. From there the applications are made available via terminal servers. The concerned software where from the production planning, payroll, asset management, maintenance systems, internet servers and so on. The five-member migration team where responsible for

- Planning and deployment of the servers into the IBM datacenter
- Transfer of the databases
- Installation of the applications (partly together with developers from Hungary, USA, Spain, etc.)
- Planning and implementation of testimonials together with the users.
- Documentation and handover to the operators

(Windows Server 2003, SQL-Server 2000 und 2005, SQL-Server Integration Services [SSIS])

Project: **Development and Enhancement of Medical Advisory Applications**
Timeframe: 2000-2013
Firma/Institut: Information Service Provider (Centrum für Reisemedizin; Düsseldorf)
Software: The travel medicin advisory application for physicans and pharmacists is published in differend editions, and is distributed on CD or over the Internet. For authentication and versioning reasons, all data updates are published over an self developed FTP server.
The data for this application are stored into a SQL-Server database and maintained using a specilized frontend. Additionally, an export application was developed, that transforms data from these database and other XML sources into the applications database format. The database is used for some other applications, using the same base data, but on a different level of differantiation.
Delphi XE, DeveloperExpress, Apollo-Datenbank, XML. SQL-Server