

Graduation: Dipl. Betriebswirtin BA Fachrichtung Wirtschaftsinformatik
1994

Languages: German (native), Englisch (fluent)

- Technical Focus:**
- Conception and development of client- / server
 - .NET C#, VB.NET (WinForms, WPF, Interop)
 - ASP.NET MVC
 - ASP.NET Core 3.1
 - Databases (MS SQL Server, Oracle Databases, MySQL)
 - VBA Development (Access, Excel, Word and PowerPoint)
 - Consultation and support for Microsoft Office Migrations

- Industry sectors:**
- Banks
 - Chemical industry
 - Management consultancies
 - Service companies
 - Printing plant
 - Automotive
 - Industry

IT-Skills

Operation Systems: Windows XP – Windows 10 > Expert
Windows 2003 – 2019 Server > Fortgeschritten

Programmiersprachen:

MS Visual Basic	> Expert
ASP.Net Core 3.1 (Razor)	> Advanced
C#, VB.NET 1.0 – aktuell	> Expert
ASP.NET MVC	> Export
WCF	> Advanced
WinForms	> Expert
WPF	> Advanced
XML, JSON	> Expert
VBA	> Expert
JavaScript	> Expert
JQuery	> Expert
Office AddIns (VSTO, Interop)	> Advanced
Typescript	> Advanced

Databases:

MS SQL 6.5, - 2019	> Advanced
Oracle	> Advanced
MS Access 2.0 - 2019	> Expert
MySQL	> Advanced

**Tools / Methods /
Frameworks:**

MS Visual Studio 6	MS	> Expert
Visual Studio.NET		> Expert
MS VSTO		> Expert
MS Office 95 - 365		> Expert
EntityFramework		> Advanced
Azure DevOps		> Advanced
Bootstrap		> Expert
Angular		> Advanced
React JS		> Beginner
Windows Installer Xml		> Advanced
NUnit		> Advanced
Tortoise Subversion		> Advanced
Log4Net		> Beginner
NPOI		> Expert
RFC		> Beginner
NHibernate		> Beginner
Project Server 2010 Entw.		> Advanced
IIS		> Expert

Projects (last 10 years)
02/2017 – dato
Microsoft Business Solutions Serviceline

Establishment of a service line for all Microsoft applications developed and supported by the group. The serviceline does more than just provide support. In case of new requirements, the serviceline makes the consulting, cost estimation, technical concept, development and after development the support / maintenance of the new application.

Extract of development projects:

- Migration of Java Web application to ASP.NET Core 3.1

Technology:

- ASP.NET Core 3.1, NPOI (Creation of
- Excel-Files on Server), Oracle DB, Bootstrap 4.0,
- JavaScript, RazorPages
- Migration VB.NET process documentation application to ASP.NET Core 3.1
- ReDesign of existing Oracle DB to MS SQL Server to solve existing problems.

Technologie:

- ASP.NET Core 3.1, Razor Pages, MS
- SQL Server, Bootstrap 4.0, Datables.net, JavaScript, Web API, REST
- Windows Service
- Creation of a Windows Service to process data

Technology:

- C#, Web Service
- Web Service

- Creation of 3 SOAP XML Web Services to send and receive data from / to SAP PI/PO.
- Support and provision of web applications on the IIS including installation of needed roles on the Web Server.

Technologies:

- Several Microsoft technologies like ASP Classic,
- ASP.NET (MVC), ASP.NET Core 3.1 (Razor Pages), VSTO,
- Office 365 AddIns, Dynamics 365, Azure AD, C#, WinForms,
- WPF, WebServices, Windows Services, REST Services, Oracle DB with PL/SQL, Microsoft SQL Server with T-SQL, IIS,
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Branche: Chemical Industry**10/2017 – 12/2019****IT-Risk Reporting Tool**

Adaptation of an existing IT-Risk reporting tool.

The IT Risk Reporting Tool imports data from SharePoint lists.

This data are prepared for export to an Excel file.

The reporting tool has been changed or expanded by several functionalities. Both, import and export settings, can now be changed using a form and do not force any code changes. Furthermore, exports for the risk matrix and the tracking of measures have been added. In addition, a function has been added to generate monthly and quarterly reports in PowerPoint format.

Technologies: Microsoft Access, Microsoft Excel, Microsoft PowerPoint, SharePoint**Branche:** Bank**10/2016 – 02/2017****Release Process Tool**

Based on an internal risk finding, an existing MS Access application has to be migrate. The application supports the release approval group in managing the variety process steps. Therefore data from the release process are integrated (readonly) and maintained process tasks and workflows are stored in a separate database. All data record changes made by the individual users must also be logged in the database with the information "When", "What" and "Who", which is missing in the existing solution.

Instead of using MS Access, a Microsoft SQL database is used.

The application is developed with C # 2012.

Technologies: Access 2013, C# 2012, MS SQL 2014 (Stored Procedures, T-SQL)**Branche:** Bank

02/2016 – 02/2017**Word VBA**

1. Create several Word-Templates (Business Letter, Meeting Minutes,...) with custom Ribbon-Tab for compliance with CI/CD specifications
2. Creation of a Word Add-Ins for the creation of correctly formatted documents. The documents created must meet precise specifications, because they will be checked by the system where they are passed to. For this purpose, a Word template with the corresponding formatting styles was created, as well as a Word AddIn that provides the desired functions for adhering to the formats, as well as various other functionalities, via a separate ribbon tab. The application was created in such a way that it works on different Word versions as well as on German and English Word interfaces.

Technologies: Word 2010 – 2016**Branche:** BioTech**12/2015 – 11/2016****Create PowerPoint AddIn**

Creation of a PowerPoint add-in, which provide the appropriate brands for different countries. The user can choose his standard template from different variants (format: 16: 9 or 4: 3, 2 fonts and the brands permitted for the country). After selecting his standard template, the user receives the desired format when creating a new presentation.

The following functions are also implemented:

- Change the brand for a presentation that has already been created
- Changing the font for a presentation that has already been created, including adapting the font size resulting from the changed font
- Creation of an agenda with definition of chapters. The user can define here whether he would like to have the agenda created before each chapter or only once, at the beginning of the presentation. The identification of which chapter the slide belongs to is also entered dynamically on the individual pages of the chapter.
- The various functions can be selected via a ribbon in PowerPoint. Since the application is made available in various countries, the application is multilingual.
- The application uses various XML files for configuration, and the brand logos are also made available via png files. The format and font variants are implemented using 4 template files. All these files are made available on a Sharepoint as a database and, if

necessary, made available again on the local client via a synchronization mechanism.

- The add-in is started via a ppam file. This ppam file contains the ribbon and the interface to the COM add-in that was implemented in C # 2012. The application can run for all PowerPoint versions from 2007 onwards.

Technologies: PowerPoint 2007 – 2016, C# 2012, Office AddIn

Branche: Bank

10/2013 – 10/2016

Excel VBA

Replacement of existing Excel documents, which have caused problems due to their complexity. A document type is represented by 3 individual Excel workbooks..

1. Filling an Excel workbook with data from an Oracle database
2. Writing the data from the Excel workbook into the Oracle database
3. Using a complex system, the user gets a dynamically generated and filled form with various events for displaying and entering the data. The information of the structure of the form

is stored as data in various worksheets. Entered data are also entered in worksheets. Various requirements must be observed with the form.

Technologies: Windows 7 (64-bit), Excel 2007 - 2013, Oracle Database

Branche: Automotive

12/2015 – 02/2016

Report Tool

Creation of a reporting tool in MS Access 2010. This tool processes data exported from an existing system in csv files. This data contains various booking information on a customer's apartment units. The unit can create reports according to customer requirements without programming knowledge by specifying schemes. The reports are created for customers once a month.

The result is Excel files that contain all needed information.

Technologies: MS Access 2010

Branche: Bank

08/2015 – 01/2016

Prototyp Sender Data

Development of a prototype for the administration of sender data at a central point. The aim is to make sender data available company-wide and to use it when writing business letters in Word. The sender data comes from the Outlook global address book, and other sources (e. g. SAP).

Technologies: Visual Studio 2012, MS Word 2013, MS Outlook 2013

Branche: Bank

10/2015 – 12/2015**Technical concept „Flood Tool“**

Analysis of an existing Flood Tool developed in Excel and VBA, which is not working after migration to Excel 2013. Creation of a catalog of requirements including a technical concept and cost estimate for the new creation of the Flood Tool with C #.

Technologies: MS Excel 2013, Visual Studio 2012, C#**Branche:** Bank**05/2015 – 06/2015****Task-Management-Tool**

With the help of an Access application, tasks of different teams can be managed. A role concept regulates which data a user can edit. Tasks can be stored via an archiving system and reactivated if necessary.

Technologies: MS Access 2010**Branche:** Automotiv**05/2015 – 10/2015****Document-Creation-Tool and Custom Task Pane**

Management of Word ContentControl text modules in a table. By transferring parameters, a Word document is created on the base of the ContentControls which are stored in the database. The contents of the ContentControls are systematically replaced by data that is also stored in tables. Various data are displayed within Word via a dynamically structured custom task pane.

The system is made operational for various office systems using COM add-ins and late binding technology.

Technologies: C#.NET, Word 2007-2013, MS SQL Server 2014**03/2015 – 05/2015****Excel and PowerPoint VBA Development**

Development of 2 Excel files to record cost engineering data. The data are managed with the help of an MS SQL Server database. Based on a role concept, the user only see data that corresponds to his role and task.

Based on the data, a complete PowerPoint presentation with programmatically drawn diagrams and data is created.

Technologies: Windows 7 (64-bit), Excel 2010, MS SQL Server 2012, PowerPoint 2010**Branche:** Automotive

10/2014 – 01/2015**Fraud Tool 3.0**

Implement new requirement for the existing Fraud Tool. It was decided to develop a standalone WPF Application. The consolidation of Excel-Files is implemented dynamically to meet new data requirements without less effort.

Technologies: Excel 2007 – 2013, C# (4.0), WPF (4.0)

Branche: Bank

12/2013 – 02/2014**Fraud Tool 2.0**

Implement new requirement for the existing Fraud Tool. Because of database changes the consolidation into Excel-Files has to be redesigned.

Technologies: Access 2007, Excel 2007

Branche: Bank

06/2013 – 12/2014**Word-Printer Tray Control**

Replacement of an existing printer tray control. Development of a COM add-in for Word that is based on parameters such as document type (business letter, fax, etc.), current printer in Word makes a presetting of the trays. The data of the printer trays are provided by an internal application.

Technologies: Word 2007 – 2013, C#, VB.NET, XML

Branche: Bank

01/2013 – 12/2014**Word-Tray Control**

Support and adaptation of a VB.NET COM add-in for printer tray control in Word.

Technologies: Word 2007 – 2013, VB.NET 4.0

Branche: Bank

02/2013 – 09/2013**SharePoint 2010 Development / Launch**

Launch of SharePoint 2010 including creation of processes.

Development of timer jobs for the comparison of various data (e.g. SAP data) that are made available via web service with metadata for certain document libraries.

Customizing of standard forms for calling up a dialog with parameter transfer. The called dialog contains a web part developed for this purpose with various components. The values selected in the TreeView are returned to the calling dialog when it is closed and saved accordingly. The form was adapted using a "rendering template". The data for the TreeView are delivered via a web service. The data is stored in a defined content type and content columns.

Customization of ribbons according to customer requirements.

Creation of deployment packages with the SharePoint Solution Designer (Codeplex).

Technologies: SharePoint Server 2010, C#.NET (3.5), ASP.NET (3.5), JavaScript, JQuery, PowerShell, TFS 2010

Branche: Chemical Industry

12/2012 – 01/2013**Several MS Access Datenbases**

Adaptation and optimization of various Access 2010 databases.

Technologies: Windows 7 (64-bit), Access 2010, Oracle Database

Branche: Chemical Industry

10/2012 – 11/2012**Development of a Fraud Tool**

Development of an access application for the input and evaluation of data for the creation of a hazard analysis. The data is entered in the Access database. For the evaluation of the data, they are exported to different Excel files based on defined parameters.

Technologies: Windows 7, C#, Word 2007 - 2013

Branche: Bank

02/2012 – 09/2012**Interface development Project Server 2010**

Development of various interfaces for the individual adaptation of the web-based MS Project Client. These included e.g. the creation of resources on the basis of a customer-specific defined organizational and functional structure.

The resources were processed using SharePoint WebParts specially developed for this purpose.

The Project Server Interface (PSI) was used for this.

Technologies: Windows Server 2008 R2, SQL Server 2008, SharePoint Server 2010, C#.NET (3.5), ASP.NET (3.5)

Branche: Chemie

12/2011 – 01/2012**Development of a measurement evaluation tool**

Development of an application for the graphic representation of measured values in diagram form. The values to be displayed are calculated on the basis of various selection options. The representation of the diagram can be changed by the user.

Technologies: Windows 7 (64-bit), Oracle Server, C#.NET (4.0)

Branche: Chemical Industry

03/2011 – 05/2011**Migraion support Office XP – Office 2003**

Examination of applications that were either implemented directly with an Office product or contain interfaces to Office. Word, Excel, Powerpoint and Access files are checked. The content and the VBA code of the applications are considered.

Preparation and consultation of the Office migration, also with regard to the next Office migration to the Office 2010 version.

Development of a VB script for setting the user information for the initial login in the respective office.

Technologies: Office XP, Office 2003, VBA, VBS

Branche: Bank

01/2011 – 03/2011

Adaptation / expansion of an appraisal and property management

Adaptation and expansion of a complex existing C # application to include various new technical requirements.

Technologies: VS 2005, C# 2.0, NPOI, MS SQL Server 2005, SSRS, Tortoise SVN, XML, WebServices, NUnit, NHibernate

Branche: Bank

Several Projects from 10/1996 - 12/2010