

IT Profile

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PERSONAL DATA

Name:	Jens Schneeweiss
Date of birth:	1972
IT since:	1987, prof. since 1997
Education:	Dipl. Ing. Electrical engineering FH
Foreign Languages:	English
Place of residence:	Herten, near Essen



Mister Schneeweiss is a very experienced software developer for C, C++, C++/CLI and C#, with good experiences in the development and testing of systems.

Mister Schneeweiss has the MCSD C#, MCSD C++, .NET 3.5/4.0 WCF and WPF - Certification.

IT skills

Functions:	Software developer, system architect, team leader, organizer, coach
Technical priorities:	System programming Windows, -Embedded, -CE,
Operating systems:	Windows 7, -XP, -Server 2000 -2008, DOS, Linux
Database systems:	SQL Server 2000, -2003, -2008 r2, 7.0, Oracle, Ingres, My SQL, ADO, SQL-CE
Computer languages:	C++, C, C#, Assembler, Visual Basic, SQL, XML
Methods:	Extreme-Programming, test driven Development, UML, OOD, NUnit-testing
Tools/Frameworks:	.NET, WPF, WCF, MFC, COM / ATL, STL
Network knowledge:	BGP, OSPF, MPLS, VLAN, Mikrotik, Nortel, Cisco, Juniper
Certificate:	ISTQB, PMI-Seminar Microsoft CERTIFIED Solution Developer, MCSD C++ 6.0, MCSD .NET 2.0, Microsoft CERTIFIED Database Administrator, MCTS Technology Specialist CE 6.0 Embedded
Standard software:	MS Project, MS Office (Visio, Access, Word, Excel, PowerPoint)
Personal qualities:	Flexibility of working time, teamworker, teamleading, project coordination, QS-processes, presentation ability, travel readiness, interest in regional operations in the Ruhr area, project, personal and economically responsibility

Branches

Authorities, local governments, civil service,
mechanical engineering, process automation, commercial
processes
Measuring technology, automatic control engineering
Goods economy, media broadcasting

REFERENCES TO QUALIFICATIONS

Schneeweiss: <http://www.schneeweiss.de/Zertifikate.aspx>

Microsoft: <https://mcp.microsoft.com/authenticate/validatemcp.aspx> Transcript ID (742992)

Access Code (jschneeweiss)

BeraterNet: <http://beraternet.org/prod/?p=1037&bnsinglecat=3>

Gulp: <http://www.gulp.de/profil/schneeweiss.html>

PROJECTS 2017 – 2007

C#, XML, VSTO

Further development and bug fixing of state-owned office systems for tax offices

Wiesbaden

2017, 3 months

- Bugfix during migration to Office 2016
- Bugfix in the complex interpreter and parser of the merge system, source code analysis
- Adds dynamic file format customization at runtime based on content of Office documents
- Participation in a Scrum Workshop.

C#, .NET development Clients (WinForms), MSTest, XML, XSLT , Office 2016, VSTO, Excel, Word, WCF interfaces (SOAP, REST, WebAPI) method: TDD (Test Driven Development)
Visual Studio 2017, Team Foundation Server (TFS),

Project team (4 developers)

C#

Collaboration on a management system for networking and control of electricity producers and consumers systems (energy sector)

Herten, Stuttgart

2017, 2 months

- Migration of the software environment to new servers
- Setup of a test system, source code analysis
- Analysis, documentation and restoration of the database structure as well as device connection (device types).
- Test of the authentication, creation of a process documentation of the REST Calls connection to the server

C#, .NET, Java-Script, Aurelia JavaScript Client Framework, SQL, Entity Framework, MVVM, Visual Studio 2015

Project Team (3 Developers Remote)

C++, driver programming

Herten, Wesel

2017, 3 months

collaboration on a filesystem filter driver

- expand file explorer with status dependent icons
- REST Calls connection to a server system

COM (Component Object Model), C++, Teamfoundation Server 2017, Project Team (3 Developers Remote)

Expand SUNIT Windows Car PC with Bluetooth HFP (Hands Free Profile) functionality

- Qualification of the Bluetooth stack and the Bluetooth hardware.
- Bypass driver programming for DirectShow Audio.
- Prepare to integrate into an existing Car-PC application, sample programs and code snippets in C ++, .NET and to test third-party libraries.
- Integration of an echo canceller / echo cancellation (third-party manufacturer)
- Test and documentation of the solution incl. Prices etc.

Visual Studio 2012, C++, .NET 4.0, COM, Bluetooth Classic 3.0, Bluetooth HFP (Hands Free Profil), SDK

BlueSoleil-Stack, Widcom-Stack, Microsoft Bluetooth Stack, HandsFree

C++, MFC Employee on the further development and support for the planning software, which deals with the program sequence of TV stations

IT service provider

Cologne

2016, 9 months
2017, 5.5 months

- code analysis and documentation of the test areas functionality from around 100 T-SQL stored procedures
- Adjustment of the middle layer and of the user interface for new features like switch-in-planning, an indicator for the protection of minors and so on
- Programming stored procedures for different data checks
- Adjustment of make- and bash-scripts because of an extension to the sql-makro-language that belongs to the system
- Support for the user and troubleshooting in the productive system
- Sql scripts to create users, rights, views and reports
- Documentation in Wiki, Excel and MS Office

Visual Studio 2005, C++ , MFC, BCGCBPro, SQL Enterprise Manager, SQLServer 2012, T-SQL, Linux, Windows 8 and 10, JIRA, Confluence, make scripts, XML, XSL

4 team members

C#, .NET 4.5,1, BLE Bluetooth BLE penetration tests of an ECU in a HIL system

IT security company

Munich

2015, 0,5 months
November

- Creation auf automatic tests on the BLE master emulator API

Win10, Win10SDK, VisualStudio2015, Visual Studio 2010, Texas Instruments TI MSP 2540/41, TI Sniffer-Dongle/ SmartRF Packet Sniffer from TI, MSP430 Developer Kit, CySmart – Bluetooth® LE Test and Debug, Frontline BPA (Bluetooth Protocol Analyzer) Sniffer

3 team members

**C#, .NET 4.5,1,
SyncVison 11, 13**

Performance Analysis and optimization of a XAML WPF UI from a process-monitoring software

Bosch

Stuttgart

2015, 0,5 months
August

- Collective code analysis, code review of the existing system
- Team programming, pair programming
- Porting the application from .NET 4.0 to .NET 4.5.1
- Porting the syncvision control element with data connection from version 11 to version 13
- Documentation of the development steps with working instructions for both of the portings in English

.NET 4.5, C#, Microsoft Visual Studio 2012, Prism Framework, dependency injection, MVVM

8 team members(locally 3 team members), offshore

**Directional radio,
internet provider,
network
technology**

Internet-connections for companies with directional radio

Herten

2015, 4 months

- Construction of several radio links in the Ruhr area
- Configuration of routers for an autonomous system (AS)
- Cable laying, crimping, antennas, router , switches
- Calculating the wind load and the antenna stand
- Orientation of the antennas
- Care and extend of the network monitoring(PRTG, the Dude)

organization of the Peerings, data center , ATM VC3 glass fiber

BGP, EoIP, VLAN, PPPoE, Routing, WLAN, SNMP, DHCP, DNS, NAT, native IP, VLAN, Ethernet, VoIP

Switches and router from: Nortel, Cisco, MikroTik, UBNT

project-/team leadership (2-3 system administrator)

**C#, .NET 4.5, MVC
5, REST**

Collaboration on the creation of an organization software to be a platform for investigation possibilities

software company

Berlin

2015, 2 months
March-May

- Implementing the backend components to the event module and his functionality (WebAPI, Process Layer , Entities et cetera)
- Documentation of the development system and of the backend procedure
- Team Programming, Code Review, Unit-Tests
- 10 team members (3 in Germany, 7 in Ukraine)

Collaboration in a scrum – team as a programmer in backend

.NET 4.5, C#, Microsoft Visual Studio 2013, GIT, MVC 5, Team Foundation Server 2012(TFS), GIT, Visual Studio Online, Entity Framework, dependency injection

Team of 10 developers, most of it Nearshoring

<p>C#, .NET 4.0, NUnit 2.0</p> <p>medical technic company</p> <p>Rhein-Neckar-Kreis</p> <p>2014, 9 months April-December</p> <p>2015, 1 month January</p>	<p><u>Collaboration on the software verification of a medical embedded system with a MSP430 micro controller with Bluetooth BLE 4.0 functionality</u></p> <ul style="list-style-type: none"> • <u>Programming from autonomic tests with the company's framework in .NET 4.0 , NUnit 2.0</u> • <u>Creation of the software verification, test definition and specification (SVTD, SVPS) for the interface to a TI (Texas Instruments) CC25411 and MSP430 Bluetooth low energy controller</u> • <u>Code review, BlackBox-test, WhiteBox-Test</u> • <u>With 10 members on the verification and 20 members on the development</u> <p><u>Automatic Tests, HPQC (Hewlett Packard Quality Center), ISTQB, JIRA, SVN, Visual Studio 2010, Word, Excel, IAR, C, C++, C# .NET 4.0, Bluetooth 4.0 Low Energy BLE</u></p> <p><u>Tools: signal analysis Beagle (Totalphase), DigiView (TechTools), multimeter, USB SPI Analyzer Corelis, Storage oscilloscope, Keithley , ampere meter, circuit diagram</u></p>
<p>C++, wxWidgets, Visual Studio 2012</p> <p>measurement engineering company</p> <p><i>Herten</i></p> <p><i>2014, 3 months</i></p>	<p><u>Data logger programming</u></p> <ul style="list-style-type: none"> • Development of a data logger for communication with a welding device via RS232 interface • The application can illustrate the received data in table and graph, printing and saving (Logfile) the results is possible too. • Installation of copy protection by sentinel USB dongles • Project / team leader (2-3 software developers) <p>C++, wxWidgets, Subversion, Windows XP, 7, 7 embedded, 8, 8.1 RT, RS232</p>
<p>WLAN, Network, radio link</p> <p>diverse companies</p> <p><i>Herten</i></p> <p><i>2013, 2 months</i></p>	<p><u>Corporate Internet connection via wireless communication</u></p> <ul style="list-style-type: none"> • Connection of several companies throughout the city via Wi-Fi wireless routers • Expansion/development/administration of 200Mbit/s radio link • Improve the configuration of network devices (antenna, wireless router, router, switches, ...) • Align the antennas • Encryption of transmission • Setting up a network monitoring (the dude) • Establish various hotspots • Scripting, PHP • Project / team leader (2-3 system administrators) <p>MPLS, VPLS, Trunk, WDS, BGP, OSPF, Routing, WLAN, 2G, 5G, SNMP, DHCP, DNS, NAT, native IP, VLAN, VoIP. Switches and Router von: Nortel, Cisco, MikroTik, AVM, Juniper.</p>

**C#, .NET 4.0,
Visual Studio 2010,
Team Foundation
Server 2010**

Medicine technology
company

*Koblenz
2013, 3 months*

Unit tests and developments for a PC-based control for a laboratory system

- Development and conception of unit-tests with MS-test and MOQ for a medical management information system.
- Development/programming another client/server functionality of the Oracle database to the Silverlight surface.
- Support project management by administration of Team Foundation Server functionality.

C#, .NET 4.0, Visual Studio 2010, TFS (Team Foundation Server 2010), HP-QC, MS-Test, Moq, LINQ, ReSharper, Scrum Team, 3 week sprint, in a team of 50 developers.

**C#, .NET 3.5, Visual
Studio 2008**

Weighing technology
company

*Münster, Herten
2013, 5 months*

Development and design of a PC-based test tools.

- Development and conceptualization of a PC-based test tool for "Hardware in the Loop" (HIL) testing of a Windows CE system for the vehicle's electronic system via CANOpen, RS232 and discrete signals.
- Development/programming the processing architecture including Threading/sync and use the design pattern PCQ (producer consumer queue), PQ (priority queue) for the processing of the test events.
- Inheritance, aggregations, delegate, etc.
- Serialize and deserialize text scripts for storing exams, actions and inputs.
- Creation of a document with about 50 pages for concept, specifications and architecture documentation.

C#, .NET 3.5, Visual Studio 2008, CAN-Bus, CANopen, IXXAT VCI, RS232-USB Docklight, Windows CE 5.0, .NET Compact Framework, LINQ.

**C++, Windows CE,
XML**

short-range transit
company

*Hannover
2013, 2 months*

Bug fixing in a complex software for a ticket printer for vehicles in public transport

- Fault finding in connection with individual hardware peripherals, hardware via IBIS-bus.
- Corrections in modules for GPS localization using geographical coordinates.
- Participation in the revision of specifications.
- Packaging and versioning of software releases and maintenance in individual tools.

C++, Windows CE 4.2 und CE 6.0, XML, SVN, Bugzilla, Visual Studio 2008, Windows Embedded CE 6 SDK

**C#, .NET, ASP .NET
MVC 4**

Software company

*Wülfrath
2013, 0,5 months*

Collaboration in the development of a multi-tenant Web iFrame

- Creating and adapting a framework for navigation of 4 pages, with computed and registration dialog, via a SQL database.
- MVC framework authentication with token cookie.
- Creation of prototypes for the JavaScript UI, for the model view and the controller.

C#, .NET, ASP .NET MVC 4, JavaScript, AJAX, JSON, VS2012 Team Foundation, SQL-Server2008

C, C++, Boost

Software company

*Herten
2012, 2 months*

Bug fixing of various components in the PCL and PostScript - printing driver environment.

- Error correction in a PCL driver for the mass printing range of a large insurance
- Programming an OCX-DLL with C++, MFC for access to different printer driver tools, e.g. from Excel or Navision 3.7.
- Scripting multiple installers as a Visual Studio installer project, creation/translation of help files
- Development of a test system with three virtual machines: XP, Server 2008 and Windows 7, to improve relationships with the printer driver installation in the 32 bit and 64 bit version.
- Controlling an offshore developer team
- Functional testing, load testing of the different release versions, speed test (printing large TIFF files)
- Development of a requirements profile (what the program should do)

TortoiseSVN, Git, C, C++, directPCL, directCONVERT V5, Boost-Library, Visual Studio 2005, Postscript, Make

**.NET 4.0, C#,
C++/CLI, WCF, WPF**

Cooperation in the development of a service oriented control and
multimedia client/server software for the medicine technology

Medicine technology
company

*Hamburg
2012, 8 months*

- Support with the architecture design of the client/server connections by WCF (Windows Communication Foundation), MSMQ, REST, Binary Binding for several independent components.
- Binding of a video recording-, streaming-, broadcasting-system by WCF/REST.
Haivision Video Streaming Server, REST, Soap, WCF.NET Web API and as a counter place: PHP/Linux. OAuth authentication, individual WCF Behaviour for OAuth 1.0.
- Production of an http REST server-simulator for the inquiries to the Haivision-server by WCF and REST Binding.
- Development of a service oriented logger-architecture for the aggregation of different Logging-Frameworks, as for example Log4Net and the logging from the Microsoft Enterprise Framework, with a REST configuration interface for the adjusting of the log level.
- Development of an audio-control-module for the volume control and management of the different in- and outputs under use of the four Windows 7 COM APIs and with binding to the WPF-UI for Windows 7.
- Production of the software-requirements and the software-design specifications for the logger-module and the audio-management-module in English, correspondence with a Canadian partner company in English.

.NET 4.0, C#, C++/CLI, WPF, Prism & Unity (MS Enterprise Framework), Visual Studio 2008/2010, Viso2010, Office2010, Enterprise Architect, Resharper, OAuth, Haivision video over IP streaming, Furnace API. Programming and developing of a software-part-draught (in a team of 8 software developers with Perforce source code management).

MFC, C++ Visual Studio 2010, SQL

Deutsche Post AG

*Bonn
2012, 2 months*

Cooperation in the modification (migration) of a logistics application of 50 decentralized Oracle 9i-Databank-based 2-layer- to a central Oracle11g databank-cluster (Dataguard)

- Programming of a complicated password directive (MFC/C ++) in an existing logistics application with 1300 clients and 51 servers. Production of the password query dialogues and the databank-access layer (SourcePro/SQL).
- Investigation, draught and development of a test tool (MFC/C ++ / SQL) to the investigation of the connection stability to the ORACLE SQL.Net WAN communication.
- Construction of a lab with range manager for the WAN simulation. Ranges and theoretical consideration (network) of the WAN/VPN, distances, layers, components and investigation of possible influence of the Zebedee-properties with low range, low net reliability and package losses in the WAN.
- Further possibly originating mistakes were considered in the multithreading or their synchronization.

MFC form, C++ Visual Studio 2010.

SourcePro, Rogue Wave, Oracle 10g, SQL-Database, SQL-Developer.

iPhone, iPad, JavaScript, HTML, PhoneGap

Pump Company

*Cologne, Herten
2011, 3 months*

Programming of a mobile iPad application (iOS, Android) for the simulation of the behaviour of vacuum pumps

Conversion of a simulation program which illustrates with the help of different parameters, the behaviour of vacuum pumps for a leakage seeker.

Team coordination (2 software developers) and programming

HTML, JavaScript, PhoneGap, Eclipse, jQuery, jQuery Mobile.

**C++, C#, Java, MFC,
.NET 4.0, SQL, MS
Batch-Script**

ThyssenKrupp AG
Duisburg

2011, 8 months
2010, 2 months

Program developing on a Level 2-process control for a rolling mill

Enlargement (Extension) of the visualization/ Human-Machine-Interface, the client server modules, the process framework for C ++/ Java/ Oracle data base (StoredProcedures) in 3-layers of architecture, redundant process control, Oracle dataguard and redundant visualization layer.

- C ++, MFC, advancement of a complicated tool to the automatic construction of Matlab-data files from parts of the process information about object-relational mapping from the Oracle data base SQL.
- C ++, MFC, process/ service for the automated construction of evaluation data in the Matlab format.
- C ++ / CLI.NET, process/service, development of a service for automating of data files from measuring points and in IMS / MEVInet-Q measuring system format.
- C #.NET, programming of console applications to filter dates from big text log files, to evaluate and to indicate statistics.
- MS Batch Script, production of a Batch script for the realization of an IP cluster. Remote WMI control with redundant address change-over / Failover IP for 4 HP-DL380 server and farther administration with Batch scripts.
- Administration of the Build system for the Human-Machine-Interface (HMI) - Graphical User Interface (GUI) and administration of approximately 20 Windows Servers 2008 HP server.
- Java, enlargement and bug fixing of complicated Java HMI client of system. Use of the MVM-Pattern and the Object-relational-mapping architecture.

C++, Java und C#, C++/Java -Object-relational-mapper, Oracle 11g, SQL Developer, IIS, WPF-GUI interop, .NET. Console C++/CLI - Application, MFC, C# .NET, Java, Eclipse IDE 1.2.0, Oracle, SQL-Developer, CA ERwin Data Modeler, SVN (Subversion), VSS(Visual Source Save), (in a team of approx. 8 software developers with SVN for Java and VSS for C ++).

**.NET 2.0, C#,
VBScript, WinCC
Visual Studio 2010,
AddIn**

ANDRITZ AG
Hagen

2010, 1 month

Programming of WinCC.NET Controls (AddIn) for a level 2 process control of rolling mills

Development of .NET tax elements (Controls) for skid-place, master data, entry section, DataGridView and data bank accesses, Drag and drop about touchscreen, ELO (APR).

In- and export of SQL dates from the level 3 in the level 1 WinCC system by VB-Script.

System integration for Acronis Advanced Server on Buffalo NAS and Symatec Endpoint Protection.

SQL Server in 2005/2008, Oracle 11 g, Toad, SQL Developer, WinCC 7.2 SP2 on server in 2008 32 bits with Redundancy packages, SQL Server 2008 Redundant, OPC.

C#, .NET 4.0, WCF, WPF, SQL, Visual Studio 2010, Reporting, SSRS, SQL Server 2008r2

Jenoptik AG,
Düsseldorf

2010, 3 months

Development of an administration tool and administrative tool, for services and for workflow based procedures in a dynamic surface WPF

Development of a frame application and three AddIns for supervising of the system distributed about several services. Queries about Windows Management Instrumentation with QueryStrings to the inquiry of server and status and parameters. Monitoring and presentation of the data base memory capacity and distribution about Stored Procedure belonging to system. Query-Graphical User Interface (GUI) for the technical, historical, logging information of the overall system.

.NET 4.0, WPF (Windows presentation foundation), WCF/REST, WF, LINQ, programming and software part concept (in the team of 8 software developers with SVN).

Development of the Printing component of a workflow-based similar call center application

SQL Server 2008 reporting service, report Viewer, local rendering and connection with the report server about ReportViewer-Tax element. For the automatic production of PDFs with partially Arabian texts. Development of a test client.

.NET 4.0, WCF, REST, server SQL server reporting services (SSRS), ReportViewer, programming and software part concept (in the team of 8 software developers with SVN).

C#, .NET 3.5, WPF, Visual Studio 2008

Solar Millennium AG
Essen

2010, 4 months
2009, 1 month

Development of the Windows application to the calculation of the masses and energy balance of a complicated combustion process with a scalable process representation in WPF.

Derivation of the functionality of an Excel VBA application. Windows Forms application with 10 Tabs, several grids and binding to a scalable process representation with calculation parameters. Team coordination (2 software developers with Visual SourceSafe).

C #, NET 3.5, WPF (Windows presentation foundation), Excel, VBA.

C#, ASP.NET 3.5, SQL Server 2003, Stored Procedures

Herten

2009, 7 months

Development of an alarm system for local authority districts (communes), for Linguistic, fax, and the mass dispatch of SMS (Short messages service) messages

System construction with several services for the processing of messages of the process computer and the processing of Webrequests of leading states. Team coordination (3 software developers, Visual SourceSafe) and programming.

C #, ASP.NET 3.5, server SQL in 2005, Stored Procedures, T-SQL.

<p>C++/CLI/C# .NET 3.5, WCF, Visual Studio 2008</p> <p>RW TÜV, Essen</p> <p>2008, 2 months 2009, 4 months</p>	<p><u>Operating surface with client / server interface to several tools</u></p> <p>Remote communication of a .NET application by .NET 3.5 client/ server WCF connection with a C ++ application (several control calculators). Development of special tax elements for Windows Forms GUI. Production of test applications for automated tests of the client server communication.</p> <p>C ++, C ++ / CLI, C #.NET 3.5, WCF (Windows Communication foundation), Windows Forms.</p> <p><u>Interface to the server system of a federal authority.</u></p> <p>Production of an Interface-DLL in C ++ for parallel access of several concurrent HTTP- inquiries on a server with existing Java-Servlets by HTTP-Requests. Transmission and parsing of XML telegrams. Synchronization of the parallel queries and concurrent. Multithread consistency of the whole module. Development of a server simulator as a test system.</p> <p>C, C ++, MFC, Visual studio in 2008, cURL/libcurl, different HTTP and network traffic Debugging tools.</p>
<p>ASP.NET 3.5, SQL Server 2003, Stored Procedures</p> <p>EON AG Düsseldorf</p> <p>2008, 4 months</p>	<p><u>Development of a web-based tool into the enterprise boarder organization of events and demands for electronical data processing equipment</u></p> <p>By order of a project management company for an energy group. Import from Excel, Reporting with SQL server; Reporting services Team coordination (4 programmers) and programming,</p> <p>ASP.NET 3.5, server SQL in 2005, Stored Procedures, T-SQL, Infragistics.</p>
<p>C#, C, .NET 3.5, Visual Studio 2005/2008, Drivers</p> <p>Carl Zeiss AG Stuttgart</p> <p>2008, 8 months</p>	<p><u>Development of an interface simulator for an individual serial full-duplex telegram, with Logging and expiry simulation for interfaces-prototype development and module tests</u></p> <p>For a leading supplier of optoelectronic products Windows Forms application with 3 Tabs, several also individual tax elements, etc.</p> <p>Software fine concept, team coordination (high-class responsibility for the works of 2 software developers), programming.</p> <p>C #.NET 2.0, 3.5, Visual studio in 2008, Multithreading.</p>

Production of an interface concept for the connection of an optronical system to the central electronics of a military vehicle

For a supplier of optoelectrical products by order of a European manufacturer for armored bicycle vehicles and track-laying vehicles. Concept production, prototype development, hardware qualification.

C, C #.NET 3.5, RS422, serial interface driver
(Development and team coordination).

C++, MFC

Köln, Broadcast and production Company of one of the biggest private transmitters

2007, 6 months

1. UDT/UDP Data transport implementing for the Video-CMS (4 months)

Development of the individual data transfer library for big distances and high (bad) response times (satellite-data connection, New York, Berlin, Cologne, outside broadcast vehicle), high data transfer speeds 100 MBit / per second and big files > 4 GB over the WAN IP net, use of the UDT library.

Test of the data transport UDP over the WAN-IP net, with special test client, integration in the suitable modules of the video Content management of system.

Production of client and server libraries for the adaptable application (employment) in different areas, implementing of robust Multithreading for the continuous monitoring of the data transfer status.

Test of the system: locally, in the test construction and under operating conditions.

C ++, MFC, Visual studio in 2005, UDP-based Data transfer bibliotheca, Sybase, Access, Aqua Data studio 4.7, TCP/IP, UDP/IP, UDT v3.3
Socket programming, network programming, Debugging, systematic problem analysis / Debugging in complicated surroundings (areas) processes (trials) / Thread (Multi-Threads).

2. Soap technology Toolkit qualification (0.5 months)

To bind the video cut by Final cut on Apple Macintosh to the VPMS (video production management system), there must be attach a web service interface on the central data bank-data access layer (C ++ COM DLL) to touch down.

Different Soap Toolkits were checked for usability, web service client on Macintosh and web service server on Windows PC.

C ++, C #.NET 2.0, Visual studio in 2005, SOAP, gSoap, cSoap, Axis C ++.

3. Enlargement of the user authentication of the VPMS (a month and a half)

Continue of an already begun working package to allow the automated legal assignment for Active Directory prove to quality users.

Optimization of the program, removal of mistakes, Code-Review, Refactoring and test of the different modes in the essential programs.

C ++, MFC, Visual studio in 2005, SQL, systematic problem analysis / Debugging in complicated surroundings (areas).

**C#, .NET 2.0,
Visual Studio 2005**

Production of a client server system for the automated assessment of
danger materials about an Excel Add in

SGS Fresenius AG
Herten

2007, 4 months

Material lists by evaluations of a spectrometer are balanced with lists of the professional association for about 50,000 substances.
Development of a tool for the inquiry of the dates from the data base of the website as well as from the PDF files.
From several jobs the work about Excel on the data base is possible.
(Development and team coordination)

C #.NET 2.0, Excel Add-In, Primary Interop Assemblies (PIA), server SQL in 2005.

PROJECTS 2006 – 2003

**C++, MFC, Visual
Studio 2003**

(Facility Manag. AG)
Frankfurt, Freiburg

2006, 2 months

CAD-Viewer for *.dgn data (Bentley) for the Facility Management System.

Development of the CAD-Viewer module with bidirectional communication between the Facility management system and the Bentley Microstation CAD data base of the biggest German airport.
Use of the DGNdirect Toolkit for accesses and treatment of the CAD data.
Zoom, choice, mark, inscription functions.
Programming of the functional pattern, cooperation in the concept.

MFC, COM, STL, Visual studio 6.0, Visual studio in 2003, DGNdirect.

**C++, C#, .NET
Compact
Framework 2.0**

Köln, Herten

2006, 6 months

Configuration and diagnosis tool for the CE.NET based industry pocket
PCs, to the measurement of pump dates

Windows CE tax- and operating device with Bluetooth gateway.
Representation of the gas measuring technologies in a Chart under Windows CE. Development of the software for a functional pattern of the operating device.

.NET Compact Framework 2.0, Pocket PC in 2003 / CE5.0, Visual studio in 2005

UML, programming functional pattern, team coordination, concept

**C++, C#,
.NET Compact
Framework**

Essen, Herten

2006, 3 months

Sensors interface (class library) for CE.NET based hardware, to the communication with warm amount sensors about serial interface protocol

The development of the stream device which allow proprietary protocols and transference rates.

Wrapper class as an API in .NET Compact Framework is integrated and is used in .NET Compact Framework application.

Monitoring interface to the debug of the interface communication.

.NET Compact Framework, Pocket PC 2003, Embedded Visual C ++ 4.0, Visual studio 2003, Visual studio 2005

UML, team coordination, concept, programming functional pattern.

**C++, C#,
.NET Compact
Framework**

Herten

2005, 2006, 4 months

Machine servicing and investment servicing, for an rubbish transfer station

Intelligent, mobile Industry-PocketPC software system of the support and documentation of the servicing works for technical equipment. Across W-LAN these units are connected with SQL CE with the central server SQL.

.NET Compact Framework, Pocket PC 2003, SQL CE, Embedded Visual C ++ 4.0, Visual studio 2003, Visual studio 2005

UML, client server, Multithreading, WLAN, team coordination, concept.

C#, ASP.NET

2004-2005, 5 months

Web application for the process visualization- and leading system of communal information- and control systems

Cooperation in process maintenance- and personnel planning system on the basis of ASP.NET Internet technology.

ASP. NET, C #, server SQL 2000, COM/DCOM, Stored Procedures, SQL, ADO.NET UML, Visual studio 2003.

C++ Builder 5.0

Wuppertal

2004, 6 months

Enlargement of process control software around a farther industrial coach interface (CAN-Open) to the leading state.

Programming, Multithreading, UML documentation

C ++ boron country of Builder.

**C++, C#,
.NET Compact
Framework**

Bochum, Herten

2003, 2004, 8 months

Measuring software for evaluating of laser sensors on mobile hardware

Compiling production of the functional pattern of the measuring technology application around rotary parts to each other.

Compact Framework, Pocket PC 2003, CE SQL, Embedded Visual C ++ 4.0, Visual studio 2003,

Prototype development, team coordination, UML, Platform Invoke, Multithreading.

**C#, .NET
Visual Basic Script**

Gelsenkirchen

2004, 4 months

Valuation of danger materials.

Excel, Office Professional, production of Visual BASIC macros for the linking of table values with data base data.
Team management, concept.

**C#, .NET 1.1,
Visual Studio 2003**

Herten

2003, 1 months

Import and export tool to goods economy OMS HCT

C#, ADO, .NET 1.1, Visual Studio, My SQL, SQL
Requirement analysis and programming.

**C#, .NET 1.1,
Visual Studio 2003**

Recklinghausen

2003, 4 months

Development of client server interfaces of a SCORM correspondent learning machine, in 2003

Remoting, UML, Visual Studio 2003, .NET 1.1.

**C#, ASP.NET,
Visual Studio 2003**

Recklinghausen

2003, 2 months

Tenant's data system of office parks

Programming, Visual Studio 2003, SQL Server 2000, Direct X,
Multithreading, SQL, Remoting.

**C++, C#,
.NET Compact
Framework, Visual
Studio 2003**

Bochum

2002, 2003, 8 months

Software interface to the data telegram exchange between sensors and PDAs by Bluetooth

C++, C#, Compact Framework, Pocket PC 2003/2002, Embedded Visual C++ 4.0, Visual Studio 2003,
Team leading, programming, UML, platform invoke, multithreading.

**C++,
Visual Studio 6.0**

Bocholt

2002, 3 months

Developing MMC Snap-In

COM, ATL, Visual Studio 6.0
Development of Snap-Ins for Microsoft Management Console to allow the configurations in a logistic of information system pursued in parallel with the data base.

PROJECTS 2002 – 1987

C, C++

Microcontroller based distant operating unity.

Recklinghausen

C, MSP430, IAR, Visual Studio.

2002, 2 months

C++, Borland,

Process computer-steered aerial care of pressure machines

Wuppertal

ATL, COM/DCOM, OPC, Multithreading, IDL, Windows 2000

1999-2002, 3 years

- Implementing of an OPC Server interface, COM/DCOM.
- Development of OPC Diagnosis Clients.
- Pick a quarrel to a remote control above the serial interface.
- Functional module and visualization module for the remote control.
- Binding of the control about ARCNET as an industrial coach near a leading state calculator.
- Programming of a leading state simulation program.
- Mistake analysis, removal of data transfer mistakes by means of special measuring technology.
- Development of a program module for the speech independence.
- Compiler development for the logical linking of digital signals.
- Market analysis and qualification of hardware and software modules.
- Documentation of the software and production of operating instructions.
- Production of configuration tools and GUI with C ++ and Visual BASIC 6.0.

C++

Advancement of a module to the pressure device configuration

Kiel

Visual Studio 5.0 + 6.0, PPD(Postscript Printer Description), XML

1998, 1999, 9 months

- Analysis and adaptation of undocumented Parser source code.
- Draught and implementing of the design oriented to object to the closing of user settings.
- Development and adaptation of surfaces.
- Cooperation with software testers to the mistake correction.

C++, BorlandProcess computer-steered aerial care of pressure machines

Wuppertal

Windows 3.11, DOS

1997, 1997-1998, 8
months

- Organization of an object-based structure for process data.
- Binding of a text data base.
- Interface programming to analogous and digital maps.
- Teamwork with a software engineer to the operating surfaces integration.
- Creation of sequential functions dependent on time.
- Extension of the program around a hierarchical initializing parser.
- Development of the configuration generator.
- Development of a sort of software SPS Module.
- Creation of the core module for the exchange of process data.

C, Step 5Automation and switch arrangement technology

Essen

Siemens SPS

1997, 6 months

Turbo PascalProtocol enlargement in a process leading system for the control of plastic moulding machines

Bonn

Windows 3.11, DOS

1995, 3 months

- Protocol functionality.
- DOS, Turbo Pascal, Administration duties.
- Extends an editor for a special text format and remove mistakes.
- Developing a batch-data for administration duties.

C, AssemblerDevelopment of multimedia demos, copy ability of programmes raise

Recklinghausen

Commodore C64, Amiga, Windows 3.11, DOS

1986 – 1992, 6 years

Microsoft Certified Professional Transcript

Last Activity Recorded : September 30, 2016

Microsoft Certification ID : 2059647

Microsoft Certifications

Certification	Version	Date Achieved
Microsoft Certified Professional	<i>Microsoft Certified Professional</i>	Sep 30, 2016
Microsoft Certified Technology Specialist	<i>Windows Embedded CE 6.0 Developer</i>	Jul 20, 2010
Microsoft Certified Application Developer	<i>Microsoft .NET</i>	Aug 19, 2004
Microsoft Certified Solution Developer	<i>Microsoft .NET</i>	Aug 19, 2004
	<i>Microsoft Visual Studio 6.0</i>	Apr 09, 2002
Microsoft Certified Database Administrator	<i>Microsoft SQL Server 2000</i>	Apr 09, 2002
Microsoft Certified Systems Engineer	<i>Microsoft Windows NT 4.0</i>	Jan 26, 2001
Microsoft Certified Professional	<i>Microsoft Certified Professional</i>	Aug 31, 2000

Microsoft Certifications Exams completed successfully

Exam ID	Description	Date Completed
461	Querying Microsoft SQL Server 2012/2014	Sep 30, 2016
502	TS: Microsoft .NET Framework 3.5, Windows Presentation Foundation Application Development	Jan 03, 2011
571	TS: Microsoft Windows Embedded CE 6.0, Development	Jul 20, 2010
503	TS: Microsoft .NET Framework 3.5, Windows Communication Foundation Application Development	Jan 27, 2009
320	Developing XML Web Services and Server Components with Microsoft Visual C# .NET and the Microsoft .NET Framework	Aug 19, 2004
316	Developing and Implementing Windows-based Applications with Microsoft Visual C#™ .NET and Microsoft Visual Studio .NET	Jan 22, 2004
300	Analyzing Requirements and Defining Microsoft .NET Solution Architectures	Sep 09, 2003
315	Developing and Implementing Web Applications with Microsoft Visual C#™ .NET and Microsoft Visual Studio .NET	Aug 14, 2003
270	Installing, Configuring, and Administering Microsoft Windows XP Professional	Aug 16, 2002
229	Designing and Implementing Databases with Microsoft SQL Server™ 2000 Enterprise Edition	Apr 09, 2002
100	Analyzing Requirements and Defining Solution Architectures	Sep 10, 2001
015	Designing and Implementing Distributed Applications with Microsoft Visual C++ 6.0	Aug 06, 2001
016	Designing and Implementing Desktop Applications with Microsoft Visual C++ 6.0	Jul 02, 2001
081	Implementing and Supporting Microsoft Exchange Server 5.5	Jan 26, 2001
028	Administering Microsoft SQL Server 7.0	Jan 12, 2001
068	Implementing and Supporting NT™ Server 4.0 in the Enterprise	Sep 15, 2000
073	Implementing and Supporting NT™ 4.0 Workstation	Aug 31, 2000
067	Implementing and Supporting NT™ Server 4.0	Aug 31, 2000
058	Networking Essentials	Aug 11, 2000