

Curriculum Vitae



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I am looking Europe-wide for a challenging freelance project. The customer should be a company with professional working environment and a good team.

Analysis and rapid prototyping results in a functional reporting that leads to make context visible and understandable.

The value chain is a multidimensional construct with many actors and their own views, which must be made visible and optimizations measurable.

This is the basis of my activity.

German: Native speaker
English: business fluent

International IT Project experience since 1993

Technical Qualifications:

- Architecture, design (Data Vault 2.0, Model driven), planning (Scrum, Agile), analyze and Rapid Prototyping of Data warehouse solutions, Business Intelligence implementations and realizations (DevOps). Optimisation of processes (Process Intelligence, KPIs) and reporting. Databases (MS SQL Server 97 - 2017, Azure Cloud, Azure SQL Data Warehouse, Massively Parallel Processing (MPP)) polybase, Business Intelligence Development Studio, SSIS ETL, SSAS, SSRS, MDX,DAX, Master Data Management MDM, Master Data Service MDS, SQL, T-Sql, Fast Track Microsoft Team Foundation Server (TFS 2005-2016), Git, SVC, Azure DevOps, Continuous Integration (CICD), Unit Testing, C#, Lync, EntityFramework, Jobscheduling, PowerScript, Power BI, REST API, JSON , Sharepoint, Infopath,
- Project Management, Business analysis/ optimization/ Process Intelligence/ Documentation (UML 2, OO GPM/BPM, UP, RUP).
- Architecture (OOA), design (OOD), and development (OOP) of web & client/server applications (HTML, JavaScript OO, CSS, ASP, COM, ActiveX, VB 6.0, ISAPI C++) VB .NET, MS Office VBA.

CMM Capability Maturity Model Overview Class Level 2 certification

Softskills:

- Strong orientation on customer, results and quality.
- Team-, communication ability and critical faculties.
- Problem solution and conceptual ability.
- Talent for organizing abstract and logical reasoning.
- Responsibility, deliberation and capable to hold deadlines.
- Motivated and able to work under pressure.

Further education:

1995-01	Microsoft Excel 4.0
1995-07	Introduction AutoCAD Light
1998-08	Supporting MS Windows NT 4.x Core Technologies
2001-02	CMM Capability Maturity Model Overview Class Level 2
2001-05	An introduction to XML and XLST
2001-08	Object oriented professional analysis with UML
2002-04	Visual Studio .Net, VB.Net, Asp.Net, C# .Net
10.2012	SSAS Tabular Workshop DAX (Marco Russo)
10.2013	Power of Influence (Peter Holzer)
03.2015	TechCamp: Cloud & Azure Info Day (Microsoft)

branch of industry:

Automotive: (11 years)	Project Management, analysis, design, development of Web Applications (Paperless Office Reporting System, E-Cash System France General Ledger).
IT/ Distributor: (5 years)	System-engineer, project management, network planning, Administration, Shopping System, System development. Analysis of existing System software, setup (ETL) data warehouse, with cubes and reports based on MDX.
Trade & consumer goods: (4 years)	Data Foundation, Enterprise Data warehouse (Data Vault 2.0, MetaData driven Azure DWH): Responsible for the analysis and development of Lineage Generator, Analysis Tabular Models (Tabular Object Model), Job Scheduler and Job Creation. Analysis of business functions. Analysis of requirements and rapid prototyping to extend Purchasing Information System and Supply Chain Reporting Cubes. Seasonal and assortment planning in retail. Analyse und Erstellung Extreme Programming Internal ERP system, CO Reports, Executive Board reporting procedures, Report Manager
Industry/ machine construction: (3,8 years)	Analyze Design and implementation of a KPI Framework including Cubes based on Finance, PM und HR data sources. Actuals, Budget and Forecast for all reporting entities and units in Europe. Project management, analysis, architecture, OOA, OOD, OOP, Client/Server application, Steel tubes and pipes precalculation system
Energy supplier: (2,5 years)	Architecture, Design, development of pilot schemes, Implementation. Transformation in a multidimensional concept including KPI Front to End Trading process, ETL, all commodities. Monitoring the internal control system and the mapping to KonTrag/ BilMog risks. Audit Issues Tracker. Datwarehouse, KPI, MDX, ETL, multidimensional Concept und Reporting. Scoping exercise Tactical Datawarehouse CR. Project Management, Business analysis/ optimization (UML 2.0, OO GPM/BPM,UP,RUP) Planning, construction and Settling of assets.
Exhibition, Congresses Events: (2 yearsr)	Analysis of 30 existing Access databases with access to Onyx and Prism (CRM). Transfer (SSIS) in a multi-dimensional concept (SSAS) and analysis with Excel Pivot 2010. Creation of customer value models with balanced scorecards and SSAS. Delivering extracts for cooperate dashboard.
Real estate: (2 years)	Lead design and implementation of new DWHs for the real estate industry. (Lease data, space books, rent forecasts, areas, customers / vendors / clients) Corporate Real Estate International/National DWH, Cubes Multidimensional
Financial Institutes- /Trading/Banks: (1,8 years)	Swiss Financial Market Supervisory Authority FINMA, Bern, Schweiz Central Reporting System based on a multidimensional concept concerning raw data from different sources of all products (ETL, BI, Dataware house, UDM, OLAP). Reporting and procedures Reporting (P/L, Netliq, Risk-, Business Controlling, Cash Control, Portfolio and month end closing). Analysis, prototyping, development, migration and training.
Architect/ Facility management: (9 month)	Project management, analysis, development of a budget management program.
Transport/logistics (5 month)	Analysis and development of a metadata framework for fully automated creation and loading of a DataVault 2.0 DWH. Analysis of the old ETL/SSIS/TSql implementations to obtain the metadata.
Insurances: (2 month)	Third-Level-Support Access (Redesign, Performance and Optimization)

Projects:

Period of time	01.08.2019 bis 31.01.2020
Company	DB FuhrparkService/DB Connect, Frankfurt (Reference on LinkedIn)
Project	Architecture, Design and Lead Development Metadata Framework Analysis and development of a metadata framework for fully automated creation and loading of a DataVault 2.0 DWH into the Raw Vault. Analysis of the old ETL/SSIS/TSql implementations to obtain the metadata regarding definition of sources and mapping (XML and TSQL extraction). Creation of a Job Dependent Scheduler for all loading steps including deployment and various maintenance tasks. Connection of Postgress, MySQL, MSSQL and REST API (JSON) interfaces. Knowledge transfer via workshops and documentation. Method: Scrum.
Software	MS SQL 2016, TSQL , SSAS Tabular Dax, Power BI, MDS, C#, Visual Studio 2017, TFS, Jira, Confluence, newtonsoft.

Period of time	15.07.2017 bis 31.03.2019
Company	Henkel AG & Co KGaA, Düsseldorf 2 different projects (Scrum, Agile)
Project 1 (1,5 Years)	Daily Sales Henkel worldwide, responsible for data quality between old and new systems. Data Foundation, Enterprise Data warehouse (Data Vault 2.0): Responsible for the analysis and development of Lineage Generator, Analysis Tabular Models (Tabular Object Model), Job Scheduler and Job Creation. Analysis of business functions.
Software	MS SQL 2016, 2017, Azure Cloud, Azure SQL Data Warehouse, Azure Portal, Business Intelligence Development Studio SSAS, Visual Studio 2017, Lync, C#, Master Data Service MDS, .Net, Entity Framework, Azure DevOps, Visual Studio, Test framework, Unit Testing (Azure Cloud PowerShell sTestV2), DacPacExtraction, TFS / GitHub / NuGet, Build Pipelines, Power BI.
Project 2 (4 month)	Analysis of requirements from the specialist area and rapid prototyping (including extraction from SAP EDW) to extend existing BI applications, DBs, ETLs and Cubes. Change Request Process (Functional Design and UAT Definition) for the transfer to productive operation including coordination with Managed Service Owner IBM. Documentation and integration of the solution into the existing productive environment. PURIS: Purchasing Information System: Enhancement of ONE!ViEW PURIS, GL Accounts Purchase Orders, CostElement Hirachy, GL Accounts, Purchasing Inforecords. Supply Chain Reporting Tool: Enhancement of Consingment Inventory, MOQ (Minimum Order Quantity) KPI, Purchase Order Quantity Coverage (in days), Lead Time KPI (by BUoM), Lead Time KPI (by EUR).
Software	MS SQL 2016, SSIS, SSAS (Multidim), Business Intelligence Development Studio, Data warehouse, ETL, Visual Studio 2015, TFS Visual Studio Team Services 2016, C#.

Period of time 20.10.2015 bis 01.07.2017
Company beeline GmbH, Cologne
Project Seasonal and assortment planning in retail. Analysis and creation of a solution for the development, procurement and sales planning of the collection. Exact disposition / theme-related planning in the jewellery and textile sector. Bidirectional communication with the MMS system. Plan data entry/disaggregation, analysis options and scenarios.

Development and analysis of the technical solution and implementation of the individual requirements in close and constant dialogue with the customer. Support and further development of the solution in productive operation.
Software MS SQL 2012, Azure Cloud, SSIS Business Intelligence Development Studio, Data warehouse, ETL, Visual Studio 2012, Software Version Control (SVC), C#, Master Data Service MDS, .Net, SSAS (Multidim und Tabular), SSRS.

Period of time 01.06.2015 till 1.10.2015 (Reference letter available)
Company Swiss Financial Market Supervisory Authority FINMA, Switzerland, Bern

Due to the separate status of FINMA and the confidentiality agreement, it is not possible for me to make more detailed information available on the internet. (The letter of reference can be brought on request).

Period of time 01.07.2014 till 01.05.2015 (Reference on LinkedIn)
Company Deutsche Post DHL AG, Bonn
Project Corporate Real Estate International/National DWH, Cubes Multidimensional

(Lead Analysis, Design and implementation)

Creation of the design document with the business customer.

Import of 45 files/720 columns from csv and Excel files. Construction of the Stage, the Operational Data Store (ods normalized) and the Semantic Data Layer (SDS galaxy). (Fullload and Incremental) Including metadata description of all layers (SSIS).

Structure of the Cubes SSAS (30 Dimensions/15 Measure Groups, incl. Mdx,) and reporting based on this with Excel Pivot, Reporting Service and Power View.

Support of the business customer with UAT.

Integration of internal resources (knowledge transfer) during the implementation
Software MS SQL 2012, SSIS/SSAS/SSRS Business Intelligence Development Studio, Data warehouse, ETL, BITS Excel Access 2010 Pivot, Visual Studio 2012 Ultimate, Team Foundation Server 2012 TFS, SharePoint Server 2013, Power View.

Company gmc² gerhards multhaupt consulting GmbH, Bonn
Project Lead design and implementation of new DWHs for the real estate industry, which harmonizes all relevant data, quality assured and keeps redundancies free. Surfaces for master data management (MDM) / Mapping and upload functionalities of source files and to control the DWH. (Lease data, space books, rent forecasts, areas, customers / vendors / clients)
Software MS SQL 2008 R2, SSIS Business Intelligence Development Studio, Datawarehouse, ETL, BITS, Team Foundation Server (TFS) 2012, Visual Studio 2010, C#, Access 2010, Master Data Management (MDM)

Period of time	28.05.2011 till 08.06.2012
Company	3A-Strategy Global Advisory GmbH, Hamburg
Project	Optimization of Wave planning regarding replacement of PCs
Software	PostgreSQL 9.1, SQL, Enterprise Manager
Period of time	01.08.2011 till 15.05.2012
Company	Arcelor Mittal, Luxemburg
Project	Analyze Design and Implementation of a KPI Framework including cubes based on Finance, PM und HR data sources. Actuals, Budget and Forecast for all reporting entities and units in Europe.
Software	MS SQL 2005, SSAS, SSIS, SSRS, MDX Business Intelligence Development Studio, Data warehouse, ETL, Access 2003, BITS
Period of time	15.03.2011 till 29.07.2011
Company	E.ON Energy Trading, Düsseldorf
Project	Scoping exercise for Tactical Data warehouse for Risc Department. Requirement Analyse, creating Bill of Requirement , Work Breakdown Structure (WBS), Roadmap, Key Findings.
Software	MS SQL 2008 R2, SSAS, SSIS, SSRS, MDX Business Intelligence Development Studio, Visual Studio 2008, VB. Net , Datawarehouse, ETL, MDM, Fast Track
Period of time	01.02.2011 till 01.03.2011
Company	Effizienz Agentur NRW, Duisburg
Project	Extension of EfA BI (see Project 09.11.2009) with detailed import and processing logging of all SSIS Packets and data level.
Software	MS SQL 2008, SSAS, SSIS, Business Intelligence Development Studio, Excel, data warehouse, MDX, ETL, Office PivotTable 11.0.
Period of time	2010-04-01 till 2010-11-30
Company	E.ON Energy Trading, Düsseldorf Analysis, architecture, design, and implementation of pilot schemes, transformation in a multidimensional concept including ETL, Cube, reporting, concept alignment with operating departments. Responsible for the following projects : 1. Analysing KPI Front to End Trading Process Tool (all commodities and systems (Endur, Xenon etc.). 2. SAP Mic Internal Control System. KPI Reporting for monitoring. 3. Mapping KonTraG/BilMoG Risks with internal control system. 4. Customizing Bug Tracker Mantis BT to handle Audit Issues.
Software	MS SQL 2008, SSAS, SSIS, SSRS, MDX Business Intelligence Development Studio, Visual Studio 2008, VB. Net , SharePoint 2007, InfoPath 2003, Datawarehouse, ETL, Mantis BT 1.1.7., PHP 5.3.3, MySql 5.1
Period of time	2009-12-15 till 2010-04-01
Company	Cologne Intelligence GmbH/ Postbank eFinance, Cologne
Projects	eFinance Reporting system. Modification (rolling review periods) of existing ETLs to create XML Files for a Business Objects Dashboard. DB Design, Implementation, Datawarehouse, ETL SSIS, Delta Load, Cube SSAS, ReportBuilder 3.0 and Excel direct access for the web customer relation management system.
Software	MS SQL 2008, SSAS, SSIS, SSRS, Business Intelligence Development Studio, Datawarehouse, ETL.

Period of time	2009-11-09 till 2010-01-15
Company	Cundus AG / Effizienz Agentur NRW, Duisburg
Projects	Analysis, architecture, design and implementation of a Data warehouse with cubes, based on a business blueprint regarding comparison of planned and actual costs. Preparation of detailed concept including implementation of a pilot and all ETL packages, cube design (mdx). Access Frontend for configuration and access via Microsoft Office PivotTable 11.0 to cubes.
Software	MS SQL 2008, SSAS, SSIS, Business Intelligence Development Studio, Excel, data warehouse, MDX, ETL, Office PivotTable 11.0.
Period of time	2009-06-08 till 2009-09-01
Company	Cyberdyne IT GmbH, Cologne
Projects	Analysis, architecture, design and implementation of a Data warehouse with cubes, based on used c-Entron system house software to ensure a better reporting concerning management, requests, sales and distribution including ETL, Data integrity, Setup Dimensions and fact tables, hierarchy with afterwards reporting with MDX statements.
Software	MS SQL 2005 u. 2008, SSAS, SSIS, SSRS, Report Builder 1.2 u. 2.0, MDX, VB .NET, T SQL, Business Intelligence Development Studio, Dataware house, ETL, C-Entron.
Period of time	2008-10-01 till 2009-04-10
Company	NRW Bank, Düsseldorf
Projects	Migration of different programs (amongst others risk- and portfolio controlling from MS SQL Server 2000 to 2008 (64Bit). Development of new SSIS Packages with script components (VB .Net). Consultancy concerning best practise regarding development. Training in SSIS, SSRS and SSAS.
Software	MS SQL 2000 u. 2008, SSAS, SSIS (ETL), SSRS, Report Builder, MDX, VB .NET, T SQL, DTS, Business Intelligence Development, Studio Data warehouse.
Period of time	2008-04-01 till 2009-01-01
Company	Van der Moolen Effecten Specialists, Switzerland
Projects	Breakdown and implementation of requirements: Central Reporting System regarding movements of all products and product types over different systems. Automatic multi step processing - and reporting levels up to transformation in a multidimensional concept. Development and Testing of all components, including reporting templates with the possibility to make ad hoc analysis.
Software	MS SQL 2005, SSAS, SSIS, SSRS, Report Builder, MDX, VB .NET, T SQL, Business Intelligence Development Studio
Period of time	2007-12-01 till 2008-01-11
Company	RheinEnergie AG, Cologne
Projects	Division: Accounting service, requirement management and central processes. Replacement of an old Access application and integration in the existing IT
Software	Word
Period of time	2007-08-17 till 2007-10.01
Company	Van der Moolen Effecten Specialists Cologne and Amsterdam
Projects	Optimization and automation of reporting procedures, Reporting (P/L, Netliq, Cash Control, Portfolio and month end closing)
Software	Excel, VBA, ADO, MS SQL Server 2005, TSQL

Period of time 2006-06-01 till 2007-08-01
Company KEV (Kreis Energie Versorgung), Kall
Projects Project management, generation of a requirement catalogue (approximately 130 pages), analysis and optimization of the process planning, construction and settling of assets. incl. all used Systems (Eg. ERP, GIS, etc.)

Methods: UML 2.0, UP, OO GPM/ BPM
Software: Word, VISIO , MS Project

Resulting from analysis direct implementation:

- Automatic material and external service matching trough all process stages
- Prototype title page to automatically circulation
- Setup a material checking catalogue
- Developing an integration strategy concerning existing systems

Software: Oracle 9i, Administration und PLSql, TOAD, Sql, VBA ACCESS, ASP

Period of time 2006-01-24 till 2006-01-26
Company Mannesmann DMV STAINLESS, Remscheid
Projects Updating precalculation system database from MS SQL 7.0 to MS SQL 2000
Software MS SQL Server 2000, TSQL, DTS

Period of time 2006-01-01 till 2006-01-27
Company Ford, Cologne
Projects Development of an ISAPI Filter which reroutes (URL Rewrite) the http request (Pdf, wav, avi files) to a shared folder.

Support Maintenance contract till end of 2011
Software C++, ISAPI-Filter, ASP, VBScript

Period of time 2005-11-01 till 2005-12-02
Company GfD Gesellschaft für Datenverarbeitung mbH , Wermelskirchen
Projects Building CO reports from SAP CSV files. Design and breakdown of components. Enhancement of the Report Manager to generate OBI board reports OBI board automatically.
Software VB 6.0, ActiveX, Com, Excel, VBA

Period of time 2005-10-01 till 2005-10-19
Company GfD Gesellschaft für Datenverarbeitung mbH, Wermelskirchen
Projects Extension of the internal merchandise managing software concerning an article import function, including indicating and editing data from another country, converting EK and VK into the local currency. EAN, checking of supplier and supplier article number.
Software MS SQL 2000, VB 6.0

Period of time 2005-06-15 till 2005-10-01
Company Mannesmann DMV STAINLESS, Remscheid
Projects Enhancement of precalculation system
Software MS SQL Server 7.0, TSQL, VB 6.0

Period of time 2002-06-24 till 2005-01-15

Company Mannesmann DMV STAINLESS, Remscheid

Projects Project Management, Steel tubes and pipes precalculation system (cold & warm) dependant on dimension and material. Calculation of all physical distortion values, a complete work plan up to performing characteristics and cost unit rate of every production step. Administration of all needed values for example cost lists, external services and products (tubes). Definition of a SAP CO interface.
 Analysis, architecture, design, project planning and implementation of the whole software.

Process description: 41 pages
 VB Code: 16.515 lines
 33 classes
 16 forms
 6 modules
 Sceens : 38
 DB: 69 tables
 47 stored procedures
 9.858 lines T-Sql code
 13 Views
 3-tier architecture

Software MS SQL Server 7.0, TSQL, VB 6.0

Period of time 2004-04-01 till 2004-07-31

Company Ford, Cologne

Projects Implementation of a javascript based multi-lingual survey (14.000 User). Logging results in weblog.

Software IIS 5., JavaScript 1.2, HTML, Sql Server

Period of time 2002-04-15 till 2005-02-15

Company Ford, Cologne

Projects Enhancement of AudioLab Web Application about further functionality.
 Support contract till end of 2005

Software IIS 4.0 & DTC, Index Server 2.0, Access 2000 DB, VB6.0 Com Objects, ASP 3.0, JavaScript 1.2, HTML, Sql

Period of time 2002-04-22 till 2002-04-26

Company Y!PPY Internet Service, Cologne

Projects Enhancement of perl -mail scriptes

Software Perl, Linux, Apache Webserver

Period of time 2002-04-15 till 2002-04-19

Company Intratech GmbH, Cologne

Projects Porting an ACCESS DB to a MySql Server, retention the Frontends. Building a prototype

Software Access 97, MySql-Server, MySql ODBC, MyPHP Admin, SQL

Period of time 2001-11-01 till 2002-02

Company FGS-Management GmbH, Koblenz

Projects Further development FM-Budget programme, perennial projects and project explorer, assets transactions

Software Access 2000, VB 6.0, ADO COM, HTML, JavaScript OO

Period of time 2001-05-01 till 2001-09-01
Company ASC, Ford Werke/IBM France
Projects Project Management, E-Cash system, automatic matching from receivables and raised bank documents, upload People Soft General Ledger Ford Europe
Software Access 2000, VBA

Period of time 2000-01-11 till 2001-06-30
Company ASC, Ford Werke/IBM Cologne
Projects Project Management AudioLab web application, specification, project planning - tracking, development, testing
Software IIS 4.0 & DTC, Index Server 2.0, VB6.0 Com Objects, ASP 3.0, JavaScript 1.2, HTML, Sql, C++ for building an ISAPI-Filter

Period of time 2000-09-11 till 2000-10-31
Company AXA-Colonia, Cologne
Projects VB, VBA Access application development and redesign, support
Software Access, ODE 97 Tools, Sql Microsoft Jet 3.5 Performance Overview and optimisation techniques

Period of time 2000-04-16
Company SDS Software-Development GbRmbH, Cologne
Projects Consultancy: commercial/technical and infrastructural Facility Management. Integration of the of the budget programme in Apperture

Period of time 2000-02 till 2000-08
Company FGS-Management GmbH, Koblenz
Projects Project Management, Facility Management- Budget management programme in order to administer budgets, cost centres, projects, orders, invoices, part payments. Interface to Word as document management system for creations of documents, db-design, interface to db, programme draft- and realisation.
Software VB 6.0, ADO, VBA Word/Access

Period of time 2000-01 till 2000-02
Company Science Capital GmbH, Düsseldorf
Projects Upgrading DB, queries etc., new surface designs
Software VB 6.0, Access, ADO

Period of time 1997-12 till 1999-09
Company DATURA AG, Frechen
Projects Planning, realisation, administration, structured network CAD building up of the server room, choice and configuration of the hardware (3COM Switches), WAN connection Frechen-Munich 3COM router, WAN connection Frechen-ISP CISCO router.
Architecture, construction, installation, administration:
 Firewall S.U.S.E. 6.0, web server IIS4.0, mail server Exchange 5.0, Navision Financials Server, Fileserver NT 4.0, Winframe Servers
Software:
 Construction of the whole DATURA homepage, HTML, JavaScript, PC-configurator, ASP, Online Shopping System connection from shop to NAVISION server with VB.
Databases:
 Design and administration product- and price database, db connected with shopping-system and PC-configurator

Period of time 1996-09 till 1997-11
Company e.a.s.m., Frechen
Projects Literature management system with Excel 5.0
Software VB 5.0, VBA Excel

Products/standards/experiences:

Experiences in the following fields: Operational/Tactical/Strategic Performance Dashboards, Balanced Scorecards, KPI Frameworks, Data Warehouse Layer Relational/Multidimensional DataVault, Architecture, design and development of web and c/s applications, systems, specifications/requirements, Team development, Team Lead

Methods: Agile Data Warehousing, SCRUM,XP (Extreme Programming), BABOK (Business Analysis Body of Knowledge) ,Business Process \Performance Management,Object oriented analysis, architecture, design, Event-driven, visual, structured programming, Databases design, CMM Level2, unified process (UP), unified modelling language (UML)

Microsoft Standards: Azure , MDM, .NET, ADO, OLEDB, .NET, UDM ActiveX, ADO, OLE automation, client/server, DDE, ODBC, MAPI, SDK (32 bit), API, COM, ISAPI

Special knowledge: Performance Dashboards, KPI Frameworks, Customer Value Model Multidimensionale Konzepts, Performance Tuning Databases, Complex T-SQL Querys, Tooling, BI Meta Data Analyze

Hardware General PC systems, server systems, Raid 5.0

Operating system Windows NT/9x/2000/VISTA/XP/2008/7/8.1/10, Linux 4- 7.2 S.U.S.E., UNIX, Windows 3.x, MS-DOS, OS/2

Programming languages C#, VB. NET, VisualBasic: VB 4.0, 5.0, 6.0, VBA Office Packet ASP, HTML, CSS, JavaScript, C++, Visual C++, C , Perl, PHP

Databases MS SQL 0.7 – 2017, AzureCloud, Azure SQL Data Warehouse, SSIS, SSAS, SSRS, T-SQL, OLAP/Tabular, MDX,Dax Datawarehouse Access: all versions, SQL, ODBC, dBase, MySql, MS Sql Server, PostgreSQL

Basic knowledge and experience:

- C++, Java (JBuilder 7.0, Eclipse), Perl, PHP
- PostgreSQL 9.1, Enterprise Manager, MySql, Oracle9i, Administration, PL Sql, TOAD
- Enterprise Architect (SPARX)
- Linux (Suse, Debian, Ubuntu, knoppix)
- Modeldriven/ Testdriven Development

Business activity:

1993-08 till 1996-08	Gude Analog and Digital systems till 07.1994 full time, after this part-time main emphasis: software development, network administration, system development
1996-09 till 1997-11	e.a.s.m. Germany, part-time main emphasis: network administration, software development: VB 5.0, VBA
1997-12 till 1999-09	DATURA AG, system-engineer main emphasis: network planning and administration, Internet- und Intranet - presence, programming in: VB 6.0, VBA, ASP, JavaScript, HTML

Since 01.2000 IT-Freelancer

Education:

Mark Nießen		Born on 1973-02-04 in Schleiden
Schools	1992-06	Technical college for electro-techniques advanced technical college certificate
Technical school education	1994-08 till 1997-07	Rheinische Akademie e.V. Cologne Certificate: certified information engineer assistant: Main emphasis: networking, project work