

# CV Joern-Alexander Heye



## Management Summary

<b>Personal Information</b>	<ul style="list-style-type: none"> <li>• German Signal-, IT/ICT and Cyber Security Reserve Officer in national and international use (NATO / German Armed Forces)</li> <li>• Over 30 years' experience, since 20 years mainly in international missions, especially in UAE/Middle East.</li> <li>• Senior Principal Consultant, Team Leader, Project Manager, Program Manager, System Architect and Senior System Engineer in various technical and business projects in and abroad (High-Tech Industry, Construction, IT/ICT, Banks, Insurance, and Industry).</li> <li>• Experience as Director and General Manager (Germany &amp; abroad).</li> </ul>
<b>Education and Certifications</b>	<ul style="list-style-type: none"> <li>• BaBA (Business Administration and a minor in Computer Science)</li> <li>• ITILv3, PRINCE2, PMP/PMI, MCSE, CNE, CCDA/CCNA, BSI-Baseline Protection</li> </ul>
<b>Relevant Project Experience</b>	<ul style="list-style-type: none"> <li>• VERIDOS (G&amp;D/Bundesdruckerei), infrastructure architect for a Government Solution infrastructure project for the MoI, Baghdad, Iraq</li> <li>• TCI Arabia / Saudi Telecom Company (STC) Jeddah, PM IT Service Management (Business Process Management for Datacenter and Customer Care, ITIL, VBlock Cloud Services and more)</li> <li>• Rohde &amp; Schwarz, signal and radio communications infrastructure projects, worldwide, project manager and system engineer</li> <li>• Allianz AG, SLA integration and Clientmanagement team leader and senior consultant</li> <li>• HypoRealEstate Dublin, reorganization of AD and IT infrastructure, team leader and senior consultant</li> <li>• Allianz AG, combining LDAP/Messaging, Datacenter Management, ITIL, for an Insurance/Bank, team leader, project manager and system engineer</li> <li>• BWI GmbH, Project Manager „Logical Interconnection DC-Sites HFP“</li> <li>• DLR-GfR mbH, ESA/Galileo L2/L3 Maintenance Engineer &amp; System Architect</li> <li>• Itelligence AG/NTT Data Business Solution AG, Multi Project Manager Cyber Security Cloud Projects</li> </ul>
<b>Core Competencies</b>	<ul style="list-style-type: none"> <li>• Deep technical knowledge</li> <li>• Leadership, fast but substantiated decision maker</li> <li>• Success orientated</li> </ul>
<b>Personal Strengths</b>	<ul style="list-style-type: none"> <li>• Great performance, high motivation, result-orientated and assertiveness, fast integration, resilience, teamwork, diligence and patience, job satisfaction</li> <li>• understanding of intercultural teamwork gained during assignments in Europe, Middle East and Asia</li> </ul>

## Consultant Profile Joern-Alexander Heye

### Personal Data

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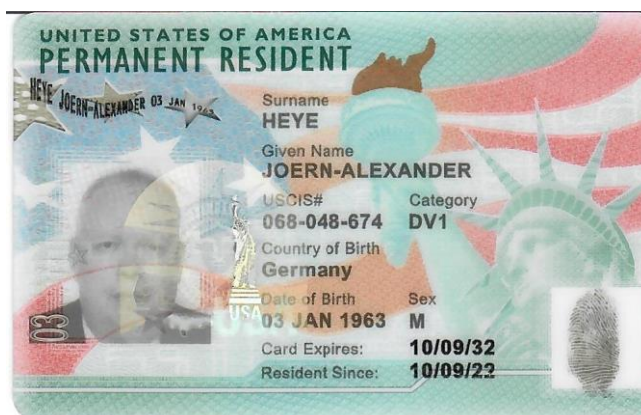
Homepage Commercial: <http://www.jamsys.eu>  
Personal: <http://jah.heye.info>

Year of birth 1963

Nationality German

Family status married, 1 Child

Work Permit USA



## Consultant Profile Joern-Alexander Heye

### Occupational Development

Education, University	1983	Completed High School Erftstadt Lechenich
	1985-1987	Prior Graduate Studies of drawer aerospace engineering at the Technical University of Munich
	1987-1995	Studies of Business Administration and a Minor in Computer Science at the LMU and Technical University of Munich
Occupational milestones	since 1990	self-employed (JAH CreationTeam, JAM Systems GmbH, JAM Systems International LLC, JAM Systems Cyber Security Europe OÜ)
	Since 2021	Partner & Investor JAM Systems International Ltd., FZ Masdar City, Abu Dhabi, UAE
	Since 2017	Partner & Investor of J.A.M. Systems Cyber Security Europe OÜ, Tallinn, Estonia. ( <a href="http://www.jamsys.eu">http://www.jamsys.eu</a> )
	2016-2023	Partner & Investor of J.A.M. Systems Business Information Technology OÜ, Tallinn, Estonia.
	2011-2018	Partner with TCI - Transformation Consulting International GmbH Mannheim (DE) and TCI Arabia Ltd. Riyadh - various projects in KSA and Middle East.
	2007-2023	Partner & Investor JAM Systems International – Business Information Technology LLC, Abu Dhabi, UAE – various projects in UAE and Middle East. ( <a href="http://www.jam.ae">http://www.jam.ae</a> )
	1995-2022	Technical Head of Networks and Project Manager with Management Responsibilities (Partner) in the Management of the JAM Systems - Gesellschaft für Business Information Technology mbH, Munich. Project responsibility in national and international projects (DE, Europe, Middle East). ( <a href="http://www.jam.de">http://www.jam.de</a> )
	1992-2010	Freelancer by Microsoft Germany as a Pre-Sales Consultant
	1991-1994	Freelancer in the marketing and technical Support (Networks and HW, Certified System Engineer) of DECdirect / Digital Equipment GmbH, Unterfoehring / Munich

## Consultant Profile Joern-Alexander Heye

### Skills

Languages	German	native
	English	fluent / daily working language
	Arabic	beginner
	Francoise	basic
Certificates	ITIL Foundation practitioner certificate in IT service management v3 PRINCE2, PMP/PMI, Uptime ATS, MCSE, CCDA/CCNA, Digital Certified Systems Engineer, Digital Cert. Cluster Engineer, Microsoft Cluster (HPC), CNE, SSCP/CISSP	
Methods	Risk analysis SLA according to ITIL, KPI Assessment Center PMP/PMI, Prince2 SCM, SOAP, SOA, TOGAF	
Technical Skills	<u>Standards:</u> ISO 20000, ITIL, ISO 27001/2, TIER / Uptime-Institute, BSI Baseline Protection, EN 50600, GDPR/Data Protection, Mil. Info Security DEUmilSAA  <u>Operating Systems:</u> Novell 3.x / 4.x / 5, NT Server 3.x / 4, Windows 2000 Server 2003R2 / 2008R2 / 2012R2 / 2016 / 2019 incl. Terminal Server, Datacenter, Hyper-V and cluster / HTC, DOS / Windows, Windows ' 95 / 98 / ME / XP / Vista / Windows7 / 8 / 8.1 / 10, OS/2 Warp / LAN Manager, Linux (Suse, Red Heat/Oracle, Kali, Ubuntu), Digital UNIX, VMS, HP-UX incl. Adv. Server  <u>Products:</u> Lotus Notes / Domino 3.x-8.x, Backoffice (SMS 1.0 / 1.1 / 2.0, SQL2000 / 2005 / 2008R2 / 2012 / 2014 / 2016 / 2019, Exchange4.0-5.5 / 2000 / 2003 / 2007 / 2010 / 2013 / 2016, 2019, SNA, Site-Server), MOM, System Center, SharePoint / Project Server 2003 / 2007 / 2010 / 2013 / 2016 / 2019, Office 97 / 2000 / XP / 2003 / 2007 / 2010 / 2013 / 2016, Oracle, Digital Polycenter on Netview / Tivoli TM10, Digital Cluster, SAP, HP OpenView, Visual Basic, C/C++, HTML / Java, MS Access, Hyper-V, SCCM/VVM, Citrix Metaframe und XENDesktop / XENServer, VDI, VMware (ESXi 6.7/vCenter6.7/vSphere6.7/Horizon7), ColdFusion, CiscoWorks, Cisco VPN, Cisco PIX / ASA, Pfsense, Foundry Network, Brocade, Zabbix, Ansible, Nagios, Jira, Confluence, Splunk, DellEMC SAN, Veeam, Visio, MS Project, Redmine, HAK5 Hard-und Software, O.MG, uam.  <u>Cloud:</u> Azure Cloud (O365, Exchange Online, SharePoint, Teams, Azure AD), AWS.	

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### Industry Skills

- Industry: Car Manufacturing, Metal, Mechanical Engineering, Electrical Engineering, Chemistry, Pharmaceutical, Oil & Gas
- Trade: Retail POS Systems
- Utilities: Public Utilities (gas, water, electricity, district heating and Power Plant (domestic and foreign)), Power Sector
- Public sector: State/Country/Municipality (International), Public Authorities. Transport (International), Defense (domestic and international)
- Insurance: General and Special insurance, Reinsurance
- Banks, Real Estate Banks
- High-Tech: Hardware and Software Companies (worldwide), Defense (worldwide), Telecommunications or ICT (worldwide), Measuring and Radio Communications (worldwide)
- Infrastructure: Construction, Logistic & Transportation
- Tourism Industry

## Consultant Profile Joern-Alexander Heye

### Summary

Over 33 years of experience as consultant, senior consultant, system engineer, system architect, team leader, project leader, program manager, general manager and more in the IT field, IT infrastructure, cyber security, voice and data communication.

Experience in the ICT area (telecommunications, measuring and radio engineering, network and security), in the banks and insurance sector, in the government solution sector and in various industry sectors.

Emphases are infrastructure topics, datacenter and visualization topics, network and cyber security topics, messaging, and groupware.

In addition international experience in the last 23 years in the defense and infrastructure sector as a consultant, project manager and program manager.

Los Angeles, 1<sup>st</sup> June 2023

Joern-Alexander Heye

## Consultant Profile Joern-Alexander Heye

### Projects (excerpt)

04.2023 to today	Assignment as a recovery-/forensics- and AD-specialist for an international biotech company (20 locations worldwide, about 5000 users) after a ransomware cyber-attack in the area of AD redesign, Windows Server 2022 and AD cyber security protection, GPO creation, recovery from encrypted old AD, merge old AD from backup, design new installation remotely worldwide.
08.2022	Participation in the cyber exercise Cyber Phoenix 2022 in Munich with NATO Partner Netherlands (NLD Cyber Command) as part of the German Cyber Reserve of the German Armed Forces (CIR). Different scenarios within the framework of RED Team / BLUE Team.
05.2022 to 03.2023	Project work as deputy lead system architect for infrastructure, datacenter design (central and decentralized/Edge), LAN/WAN connectivity and QA for InfoSecurityConcepts (approx. 55) in Germany for a public employer in the field of security and defense [BWI].
05.2022	Participation in the cyber exercise Griffin Shining 2022 in The Hague / Netherlands (NATO partner) as part of the German Cyber Reserve of the German Armed Forces (CIR). Different scenarios within the framework of RED Team / BLUE Team.
01.2022 to 04.2022	Participation in the NATO Cyber Exercise Locked Shields 2022 in Munich (DE) and Tallinn (EST) as part of the German/Austrian BLUE Team (BT04) of the German Armed Forces (Bundeswehr) of 24 BTs. Member of the Windows Team, especially Azure AD Cloud and Security. Preparation, hardening of the scenarios of the GREEN Team/YEELLOW Team to a distributed KRITIS infrastructure (Energy Group, Institute of Virus, Armed Forces, Financial System/Bank, Water Tech, Firewalls). Defense against various attacks by the RED Team of 34 Nation.
07.2021 to 02.2022	Project work as multi-project manager for a large worldwide French/Luxembourg medical-technical laboratory operator with approx. 45,000 users worldwide (approx. 170 locations / 2019) and its German subsidiary companies in Ebersberg, Constance, Cologne and Denmark. Tasks are often in IT operations, IT infrastructure and IT for Corona projects. These are for example MS-SQL migration, rebuild backup DC, rebuild EDS farm, create new backup concept (Windows Server 2019, MS-SQL Server 2019, design Rittal Server Housing, Azure Cloud; O365, Veeam, CommVault, etc.). Construction and conversion of two data centers and separation of the infrastructure from subcontractors (infrastructure, network, cooling, monitoring, security, etc.).

- 10.2021 Participation in the cyber exercise Griffin Rising 2021 in The Hague / Netherlands (NATO partner) as part of the German Cyber Reserve of the German Armed Forces (CIR). Different scenarios within the framework of RED Team / BLUE Team.
- 09.2021 to today Participation as ISB and Cyber Security Consultant for the introduction and updating of an information-security-operating concept for the social media module platform LYNX and Adminimator of the German Navy or the German Armed Forces as part of the Empowerment Initiative of the BMVg. Preparation for the audits and certification by DEUmilSAA.
- 08.2021 to 03.2021 Project work as multi technical project manager for a large worldwide Japanese IT Concern and Service Provider with approx. 150,000 employees worldwide and its German subsidiary AG for business solution and as a service provider (12000 users, approx. 35 countries, approx. 120 branches). The task was to harden the Email on-Prem infrastructure and the cloud email infrastructure (ProofPoint, Exchange, O365 and Azure Cloud), introduce cloud authentication with Okta, extend cloud log analysis with Exabeam and introduce MDM & MAM with MS Intune. In addition, the UPN / SIP / Primary Email & Outbound Email (Masquerading) / SMIME Certificates should be amended as harmonized with the parent company.
- 03.2020 to today Project work as a system engineer, system architect and technical project manager for a Cyber Online Exercise (National Cyber Reserve Forces). Project work in the design, construction and commissioning of a Cyber Security Training Range in a datacenter. They use a Cisco HA Cluster, Cisco VPN / SSL / Proxy, Virtualization Technology from VMware ESXi 6.7, Windows Server 2019 Hyper-V, Virtual Box, Dell & HP Server Hardware and Cisco & Juniper Switches. In addition, they use a CTF Scoreboard, a training web portal, which was developed in this project. Also in addition, various ITSM tools (Splunk, Ansible, Nagios, Zabbix, Jenkins), various CTF environments (vulnhub.com, BOTS, OWASP JuiceShop, Hak5, Lab401, Hack-the-box, etc.), various VMs and Docker containers with Linux, Windows Server, Active Directory, LDAP, Veeam, Sophos, Stormshield, etc. was used for operation. The operation and implementation of this Cyber Reserve exercise was completed in early July 2020.
- Expansion and support of a mobile and a stationary cyber range including scoring and training software (approx. 500 training and CTF VMs) since mid-2020 until today. Expansion of an LMS Online Cyber Security Training System for the Cyber Reserve inclusive O365/Teams.
- 07.2019 to 03.2020 Consulting as a system architect (data center, virtualization, network, security and more) and system engineer for the Installation / Configuration / Operation of maintenance and troubleshooting data center in Europe for a multinational European GNSS satellite operator / agency in Germany, Italy and Spain. Development of a service-oriented data center including process- procurement- und demand-management and installation, configuration and operation of VMware (13 nodes, ESXi 6.7, vCenter, vSphere etc.), ITSM Tools, DellEMC SAN, Brocade & Dell SAN-Switch, Meinberg, Linux, Windows Server, Active Directory, LDAP,



Zabbix/Nagios, Veeam, Sophos, Ansible, Stormshield, Redmine, etc.

- 10.2019 Participation in the cyber exercise Griffin Dawn 2019 in the Netherlands (NATO partner) as part of the German Cyber Reserve of the German Armed Forces (CIR). Different scenarios within the framework of RED Team / BLUE Team.
- 10.2018 to 06.2019 Consulting as a multi project manager (interim) (5 projects parts - volume approx. €97,879 million) in data center consolidation, network and infrastructure (ICT) in Germany for a public employer in the area of security and defense. (approx. 51 RZs & Service Center etc.). Setup of project management according to Prince2 and NATO framework. Preparation for the analysis of locations, consolidation concept creation, service creation and subsequent integration / transition to the new structure. Building of a cloud-first strategy. Embedding in a comprehensive (IT) operating model across Germany including of the integration (cooperation) of about 400 foreign locations (own project), which must transform in a larger collaborative operating model. Process modeling with ARIS incl. process, procurement and demand management.
- 06.2018 to 09.2018 Consulting as a multi project manager for migration and rollout in the VDI field (AVC) including integration of AD services, network connectivity, and infrastructure (ICT) in Romania, Bulgaria and Croatia (CEE - Central and Eastern Europe) for a worldwide established insurance group from Germany (approx. 2500 devices, 6 locations in 3 countries, plus server in two redundant DCs in Frankfurt and Paris).
- 03.2018 to 06.2018 Consulting as AD, network and infrastructure (ICT) architect with hands-on (rollout worldwide) for a worldwide established special machine manufacturers in Southern Germany (approximately 25,000 devices, 280 branches in 61 countries). Analysis and consolidation of the approx. 80 DHCP servers worldwide to about 10 servers under the premise of "cloud first" (azure and AWS) and with Microsoft failover cluster technology. Implementation, migration, and rollout of the new DHCP concept worldwide with the internal IT/ICT.
- 10.2017 to 04.2018 Consulting as a Network und Infrastructure (ICT) Manager in a Supply Chain Management Project for a worldwide leading ICT and Network Infrastructure Producer. The work is mostly onsite in the Kingdom of Saudi Arabia for a multinational telecommunication company (Riyadh, Sub Hubs in Jeddah, Dammam and Chamis Muschait). Coordination of the IT/ICT processes together with the SCM processes in the Central Warehouse, introduction of a Warehouse Management System (WMS) under SAP; improvement of the QR code processes and providing of the data exchange between SAP and a MS SQL based ERP System (Work with XML over SOAP Web services). Additional Coordination of all processes

above in the international project team worldwide (Germany, Poland, USA, Turkey, Spain, aom.)

- 02.2017 to 09.2017 Consulting as a Client / VDI and Server Services Infrastructure Project Manager for the integration of public car and truck leasing company in Germany and branches worldwide. PRINCE2 was used for the project framework. Responsible for a Make-or-Buy documentation and decision, a Europe wide public call of proposal and bids and the migration of a Citrix Server farm into a VDI Infrastructure with VMware (ESXi, vSphere, vCenter, Horizon 7 and more) incl. File- and Print-Server Migration (incl. Cluster and Data Core), AD integration incl. Federation Service, DHCP and GPO Migration, Software Deployment incl. WSUS integration. Also responsible together in a project team for the AD and Resources Migration and working as a Rollout Manager / Hand-On Consultant.
- 03.2016 to 12.2016 Consulting as a Client / VDI and Server Services Infrastructure Project Manager and Systems Engineer / Integration Specialist for the transformation and integration of a multinational tourism enterprise group from Switzerland (about 5.500 user) to another multinational tourism enterprise group from Germany (about 4.500 user / total concern: 330.000 employers). Responsible for the Migration of a Citrix Terminal Server Farm into a VDI Infrastructure with VMWare (ESX, vSphere, vCenter, Horizon 7 and more) incl. File- and Print-Server Migration (incl. Cluster and EMC), SharePoint Migration into a new Content Systems, DHCP and GPO Migration, WSUS integration, IP Subnet Range Migration und Proxy Adaption. Also responsible together in a team for the AD, Exchange Migration and Resources Migration with Dell/Quest Migration Manager (QMM / DMM) and working a Rollout Manager and Hand-On Consultant. All inclusive of producing of the documentation and concepts and migration plans.
- 11.2013 to 01.2016 Consulting as a Systems Engineer, Infrastructure Architect and Rollout Manager / Hand-On Consultant for the design and implementation of a government solution project for the Mol in Baghdad, Iraq. Design, implementation and rollout of an active directory network (AD, DNS, DFS, DHCP, GPO, NPS, WSUS, ePO-AV, and more) for a country wide registration database system with electronic ID Card inclusive the Infrastructure of 2 redundant datacenter, a warehouse, 354 registration offices, 25 issuance offices and 2 PERSO offices (about 5.500 Workstation, 1.200 virtual and physical server, and up to 6.000 to 8.000 user [final rollout planning]) incl. documentation, introduction and training. In addition, development of the business processes, the ITIL processes, the procurement and demand management for this project.
- 04.2013 to 10.2013 Consulting as an infrastructure and security architect for the Implementation of an ERP/IMPS system in a concern holding (Teheran / with 200 companies and sub holdings) together with TOGAF and SRUM.

- Parallel design of the concept for the new holding datacenter (Tier III) and a new concern IT-strategy.
- 05.2013 Consulting for an ICT Datacenter Reorganization and preparing for TIER III Certification together with ITIL and ISO27001/2 Auditing Process for a multinational telecommunications company in Kuwait.
- 01.2011 to 03.2013 Consulting for Business Management Process Consulting in the area of ICT, Data Center, ISO27001, ITIL and PMI/PMO for a multinational telecommunications company in Saudi Arabia (Jeddah and Riyadh). Definition of the IT and Organizational Processes, finding of the GAPs, support for the implementation of the process, controlling the processes, supporting the data center procurement and demand management processes and the project management support in the area of data center (TIER IV) and for large ICT projects of the customer.
- 07.2010 to 12.2010 Working as a Network & Security, AD and GPO Specialist for an international reinsurance company in Munich and worldwide. Launch various Security products / Updates and supports in the engineering of Client Management (AD, GPO, HP Open View and Exchange 2007 with Outlook 2003/2007, WMI, Identity Management and DRM) for up to 10,000 users worldwide.
- 07.2007 to 06.2010 Outsourcing to an external global IT Service Provider. Working as a Network & Security, AD and GPO Specialist for an international insurance company with international bank in Munich, Europe and Middle East. Launch various Security products / Updates and supports in the engineering of Client Management (AD, GPO and Exchange 2007 with Outlook 2003/2007, WMI, Identity Management and DRM) for up to 150,000 users worldwide.
- 08.2009 to 03.2010 Part-time Projectmanager for integration of Microsoft Sharepoint Server 2007 and ProjectServer 2007 in the AD environment of a big insurance company worldwide.
- 10.2008 to 11.2009 Part-time Senior Consultant for Citrix XenServer and VDI Rollout in the AD environment of a big insurance company worldwide. Special focus on AD GPOs and Security.
- 06.2007 to 06.2008 Partial Project Work as Messaging & Groupware Senior Consultant, AD and GPO specialist for an international logistic Company in DE and IT. Introducing of new messaging and groupware and support in the engineering (Exchange 2007, SharePoint 2007, AD, GPO, Security) for 250 users throughout Europe.
- 06.2006 to 06.2007 Employment as Network-, Security-, AD- and GPO-Specialist for an international Insurance company with an international Bank in Munich and occasionally in London. Introduction of various Security products / - updates and support of the engineering of the client-management (AD,

GPO, WMI, Identity Management, DRM, Network Security & Firewalls) for approx. 150,000 user worldwide.

- 01.2006 to 02.2006      Employment as an AD and Infrastructure Specialist for an international logistic company, in Munich, Stuttgart, Dusseldorf and partly in Italy. Introduction Microsoft operation manager (MOM) with extended Management Packs for Hard- and Software, also of third party products. Installation, configuration and briefing of the IT-personnel (approx. 250 user).
- 08.2005 to 12.2005      Employment as AD and Infrastructure Specialist for a reorganization of an international bankers' syndicate in Dublin, Stuttgart and Munich (Ireland as work place). Documentation of the whole worldwide ADs. Conception of a new AD-concept (Placeholder Domain Model Forest) for the complete worldwide bankers' syndicate. List of a transition plan (new AD Design, consolidation and migration after moving to DE) inclusive Security concept (approx. 1,200 user single bank - group approx. 2,500 user entirely).
- 08.2005 to 09.2005      Employment as a Microsoft PreSales Consultant on a European-wide Roadshow for the Introduction of Microsoft Windows XP 64Bit on (including) FSC workstations. Elaboration of a presentation and Hands on of concept (demo) on German and English.
- 08.2005                      Employment for Microsoft as AD and infrastructure specialist for a AD-reorganization international toy manufacturer and Entertainment park operator in Ulm/Germany and further international locations. Consultation to current AD migration questions (AD, W2K3, SMS, Exchange, MOM, etc.) (approx. 300 user per park).
- 11.2004 to 07.2005      Employment as a Network and System Specialist (also as Team Leader and Subproject Leader) in an international electronics company. International employment (UAE, Pakistan, Brazil, Saudi Arabia, England, Italy, Portugal) in various subprojects as a Network (Cisco) and System Specialist (MS, Argus IT, Ramon and more) and for the setting up of measuring stations with the International Telecommunication Union-conformal monitoring software.
- 07.2004 to 10.2004      Employment as a Projects Manager in an international logistics company (ca.100 user). Migration of Windows NT4 with Exchange 5.5 to Windows 2003 ADS with Exchange 2003 over three locations and DMZ (incl. Backup, Security etc.) and various internal and external connection. Development of a total concept, conversion with team members for Testing and Rollout. Employment of MS SharePoint Server as a Portal and Helpdesk.
- 08.2003 to 06.2004      Project Manager in an international Electronics Company; International employment locally (UAE, Middle East and Germany) for communication

systems within the defense range.

- 05.2000 to 07.2003      Employment as a Network and System Specialist (also as team leaders and subproject leaders) in an international Electronics Company. International employment (UAE, Pakistan, Brazil, Saudi Arabia, England, Italy, Portugal) in various subprojects as a Network (Cisco) and System Specialist (MS, Argus IT, Ramon and more). Also for the setting up of measuring stations with the International Telecommunication Union-conformal monitoring software.
- 10.1999 to 05.2000      Employment as a Network and System Specialist (Project Manager) in an international logistic company. Structure of a decentralized network over several locations with active components (Cisco, Bintec), with a Unix Firewalls, Microsoft Backoffice (Exchange, SQL, ISA server), Backup concept and structure of a Tracking System in the Internet.
- 04.1999 to 09.1999      Employment as a Network and System Specialist in a SAP project (module EC) within a large German Electronics Company as well as SAP and Anderson Consulting. Preparation of the Intranet binding and definition of the Service level (SLA) together with a large Service Provider. Building of a database for the Administration of the automatic connection and examination of all service level with automatic evaluation (ACCESS + VB-programming). Structure of a Backup and Recovery concept. Structure of alternative communications to the firm net for the consolidated world-wide companies. Monitoring of the hard and software (Sinix/Oracle 8,005/SAP R/3 4.5b) and the SAP system (Watchdogs and SNMP).
- 01.1999 - 04.1999      Reorganization, System Management and documentation of a very large Intranets of a large German Electronics Company. Conversion of the first restructuring measures.
- 05.1998 - 12.1998      Structure of a virtual Internet Shops with WWS under MS SQL Server 7.0 with MS SiteServer Commerce Edition 3.0, Membership Server and MS Visual Interdev for a large retail trade enterprise. Integration of data from a SAP R/3 System. Support of Microsoft (late Case Study).
- 02.1998 - 05.1998      Conversion of the individual standalone Networks of Banyan Vines in approx. 50 locations within Germany for a large telecommunications company to a Single Master Domain Model under Windows NT. Approx. 2500 user (final development 10,000 user) altogether over all approx. 50 locations. Migration of the Servers and Client on Windows NT, occasional coexistence with the old environment, automatic distribution by means of Ascot and NetInstall, putting on profiling / access concept, integration Messaging. Employment as team leaders. Installation and management of Cisco Routers and Switches.
- 09.1997 - 01.1998      Development of a Messaging concept for a large telecommunications company in Munich under the integration of a world-wide IT-concept of

an international British telecommunications company with MS-Mail-Post offices. Preparation for a later Exchange migration at approx. 50 locations in Germany.

- 06.1996 - 08.1997      Development of a Single Master Domain Concept under Windows NT for a large German reinsurance company. Elaboration of a detailed Rights and Profiling concept. Automatic distribution - also the operating system under Integra (Unix/NT). Scripting in a team for over 350 software products and/or packages. Integration of the existing PC network under HP-UX + ADV Server. Conversion of these concepts (migration of past systems and/or coexistence with existing systems). Conversion of an extensive international Messaging concept with MS-Exchange. Production of Workflow components for MS-Exchange and Outlook.
- 09.1996 - 12.1996      Concept production and execution of the network, the Internet and Intranet topology for the Compaq Grand Slam Cup in Munich - Germany. Structure of an infrastructure with SQL server, 2 www servers, 4 Firewalls, 2 video Web servers, 4 Squid Cache servers, working on computers for press, radio and television with approx. 300,000 hits per day. For the first time Internet video transmissions (Streaming Media) were used. Production and employment co-ordinated right and Profiling concept. Employment as Projects Manager.
- 06.1994 - 02.1995      Technical Manager (for Microsoft) with TV-production "office communication" at the Bavarian Broadcasting. Integration, supply and execution of the Client Servers environment, the Office applications and the demos for the photographs in addition.
- 10.1993 - 10.1995      Microsoft coach for MS-Mail and Windows NT (MOC) at the Microsoft GmbH, Unterschleissheim - Germany.
- since 1992  
(at times until today)      **Freelancer and Microsoft Pre Sales Consultant (Promotor, software-trainer, consultant, MCSE) for Microsoft Deutschland GmbH, Unterschleissheim, Germany**
- 10.1991 - 12.1995      Technical support at the Digital Equipment GmbH, Unterfoehring - Germany. Training as Digital Certified System Engineer.
- 03.1991 - 09.1991      System Administration Tandem and Support for the TT-WWS System of Saturn Hansa Trade GmbH, Munich and Ingolstadt - Germany.
- 08.1990 - 02.1991      Structure, programming and introduction of a Trading- and Tracking-System for the LP/CDs for the Saturn Hansa Trade GmbH Germany in Nuremberg. System and data base ran on Tandem and with C/C++ programming were adapted. By terminal emulation over a Novell Network it was put to the users. In a later step the WWS was migrated on an Oracle/NT servers.