Profile   T. Kolb

Name:	Thorsten Kolb
Year of Birth:	1966
Availability:	2016/05/01

IT experience since:	1984
Qualification/Degree:	Diplom Informatiker (Karlsruhe Institute of Technology, Germany)
Business lines:	IT provider, business entities, industrial enterprises, government entities, research facilities
Professional focus:	Solution Architect (Design, Optimization, Coordination, Process design)
	Project Management, Requirements Engineering
	IT Strategies

Personal skills:	Quick on learning and uptake
	Pronounced analytical cross-functional approach to work
	Experience in intercultural collaboration (China, India, Korea, South America, USA, GB, France, Russia, Romania)

Project specific skills:	Solution Architect:	14 years
	International coordination:	16 years
	Project management:	8 years
	Tool evaluation and adaption:	12 years

Technical knowledge:	Hardware:	Server, PCs, Tablets, Raid systems, Network components, ...
	Operating systems:	Win x.y, WinServer 20x, Linux, Solaris, HP-UX, Android, Chrome OS
	Tools / Standard software:	Several Office products (MS, Libre, Corel, etc.) ClearCase, CVS, SCCM, WSUS, Joomla, MS SQL, mySQL, openCloud, Sharepoint Programming (Perl, VBS, PS, C, C++, AutoIT, PHP, Pascal, …)

Language skills:	German (native), English (fluent)

PROJECT AREAS

Architecture

- Optimization and standardization of IT operating processes
- Design of redundant Server infrastructure and connected robustness measures
- Migration concepts for several tool sets
- Formal specification of customer requirements
- Requirements Engineering
- Connection and integration of small project offices and teleworker into company IT service
- Development of IT security strategies for mid-tier business
- Development of configuration and communication strategies for geographically distributed international collaboration

Project Management

- OS Migration Win XP to Win7
- Introduction of several tools into regular IT operation
- Integration of independent locally managed IT infrastructures into global IT operation
- Support of IT provider change including move to new contract and process base
- MS SCCM upgrade (150 Server and 70.000 Clients)

Coordination and Heading

- International coordination of IT teams
- Technical overall responsibility IT operation for client services
- Planning, organization, and execution of workshops, conferences, and trainings
- Coordination and quality assurance SW development
- Replacement and upgrade of a multinational distributed server infrastructure
- Supervision of scientific research projects
- On site training and support for software development and integration teams in GB

SW Development

- Planning, coordination, and realization of adaptions in complex software products
- Specific software and user interface assisting software distribution to Win XP clients
- Adaption and extension of Joomla templates and modules
- Implementation of web based information systems
- Tourney software VbEST
- Simulation software for dynamic systems

Other

- Third Level Support for several IT operation services
- Preparation of training materials for technical staff and management
- Configuration and build management for geographically distributed software projects
- Mathematical modeling, evaluation, and expertise

PROJECT HISTORY

Project: **Requirements Engineering and Project Management for IT Service**

Time Period: 07/15 – 04/16

Business Line: IT Provider

- Compilation of formal requirements document based on customer documents
- Planning and execution of workshops to clarify special service topics and requirements
- Planning of time lines and resources
- Coordination and communication with stakeholders and service owners
- Support on migration scenarios
- Support on integrating the new service into regular IT operation

Technologies: MS Active Directory, Web technologies, Security delegation mechanisms, Office software

Project: **Requirements Engineering and Test Management for Software Release**

Time Period: 02/15 – 06/15

Business Line: Software product development

- Compilation of formal requirements document based on customer requests
- Support on solution design decisions
- Concept and realization of test environment for software tests
- Definition and documentation of integration test processes and test cases
- Support on testing and troubleshooting

Technologies: C#, .NET, Office software, Web technologies

Project: **CMS Based Interactive Web Site**

Time Period: 09/14 – 12/14

Business Line: Sports club

- Concept for a club web site including online membership administration, online reservation system, forum, chat, blog, mail notifications, administration concept, and automated backup system based on customer ideas
- Setup of a prototype site and review together with customer
- Implementation and test of productive web site
- Training of club staff on web site handling and administration

Technologies: Joomla, jEvents, CB, Kunena, PHP, SQL

Project: **Software Distribution Infrastructure – Concepts and Enhancements**

Time Period: 07/11 – 05/14

Business Line: IT Provider

- Standardization of processes and tools focused on software distribution
- Optimization of processes and implementation of stability measures (monitoring, automation) for software distribution on Win7 clients
- Operational and technical project support on migration XP→Win7 focused on end user computing
- Integration of independent locally managed Active directory domains into global software distribution structure for Win7 (Latin America, Russia)
- Global coordination and communication with local IT providers for about 80,000 Win7 clients in 13 countries

Technologies: SCCM, WSUS, MS SQL, Perl, PowerShell, Win XP, Win7, WinServer 2008, SharePoint, MS Project, MS Visio

Project: **End User Computing – Concepts and Enhancements**

Time period: 08/04 – 06/11

Business line: IT Provider

- Integration of independent IT country providers towards global IT Support with focus on end user computing and update strategies
- Migration of an MS SMS based global software distribution environment for 70,000 clients towards MS SCCM 2007
- Concept for usage of XP x64 as special case for IT operation with focus on software updates and monitoring
- Project manager for service 'end user computing' within migration project towards new contract and provider
- Third level support and technical overall responsible for IT operation of about 200 teleworker

Technologies: SCCM, MS SMS, ISDN and DSL Router, Win XP, WinServer 2003, MS Project, Sharepoint

Project: **Concepts for Clients and Offices with bad WAN connectivity**

Time period: 07/02 – 07/04

Business line: Transportation

- Test and Validation of centrally provided teleworker operating mode with Win2k; Exposure of conceptual gaps especially focused on software distribution; 3rd level support (contact for local service provider); tests of system and software updates on teleworker clients.
- Evaluation of connection alternatives for small offices with restricted local resources with homogeneous company IT infrastructure; supervision of master thesis; compilation of training material and management presentations; exemplary transformation at several locations in Germany.
- Reorganization of MS SMS based software distribution (about 8,000 clients). Targets: better flexibility, quality enhancement, user convenience enhancement, better alignment with software logistics, trouble shooting alleviation. Support of software teams at problems with software distribution.
- Enhanced work mode for laptop users, especially focused on business trips and slow network connections.

Technologies: W2K, ISDN Router, MS SMS

Mini Project: **IT Security**

Time Period: 06/02 – 06/02

Business line: IT Provider

- Compilation of IT security strategies for mid-tier business
- Compilation of training material for staff and management
- Setup of a presentation and demonstration system for fair, training and other events

Technologies: Firewalls, NetSaint, Intrusion Detection

Project:	**SW Development – Coordination and Support**
Time period:	06/99 – 05/02
Business line:	Mobile Communications Infrastructure

- Planning, coordination, and implementation of feature extensions in complex software products, support of parallel feature based development
- On-site support (3 months) for development and integration teams in Swindon (GB).
- Training of development teams in Swindon (GB) and Nuremberg (DE).
- Development of configuration and communication strategies for geographically distributed international collaboration.
- Configuration, modification, and build management for geographically distributed software projects for mobile communication infrastructure (GSM, UMTS); alignment of compatibilities and mismatches; coordination with on-site responsible; verification of build results.
- Setup and maintenance of a ClearCase/ClearMake based build environment for complex software products with the following feature requirements: multi site enabled, extendable, reproducible.
- Participation in modification request review boards and in modification management working group

Technologies: ClearCase, ClearMake, Gnu C++, Cross-Compiler, Perl, HTML, Assembler, FODA; Sablime, MySQL

Several Projects at or in Cooperation with Research Institutes

Time period:	1993 – 1999
Business line:	Research Institutes

- Development of web based information systems
- Planning, organization, and execution of workshops, conferences, and training
- Concept for consistent management of software in heterogeneous environments to enhance reliability
- Participation at numerous international conference
- Several scientific publications in journals and proceedings
- Strategies for evaluating customer behavior
- Modeling of creep behavior of mine dumps in soft coal industry
- Mathematical expertise about mean value determination methods
- Evaluation and extrapolation of medical data
- Implementation and maintenance of a UNIX workstation cluster
- Conceptual design and installation of a research group
- Adaptive controlling concepts for complex robot architectures (artificial Neural Networks)

Technologies: SUN Solaris, HP UX, SGI Irix, Linux, several mathematical applications (Maple, Mathematica, SNNS, ...), LaTeX

PROJECT AND BUSINESS PARTNERS