

SKILL PROFILE

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XING

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POSITIONS

since April 2011:	<ul style="list-style-type: none"> • Product Manager with Nokia Siemens Networks
▶ <i>Topics and Projects:</i>	<ul style="list-style-type: none"> • quality management • introduction of quality standard TL9000
since April 2007:	<ul style="list-style-type: none"> • System Architect with Nokia Siemens Networks
▶ <i>Topics and Projects:</i>	<ul style="list-style-type: none"> • architecture / systems engineering for application services • responsibility for the user interface design guide and usability • standardisation activities • leading design teams for functional specification • systems engineering for a mobile client application • architecture and interactive design for mobile client applications • usability process: development, responsibility, deployment • Scrum master
since October 2002:	<ul style="list-style-type: none"> • Systems Engineer with Siemens Mobile Networks / Mobile Solutions
▶ <i>Topics and Projects:</i>	<ul style="list-style-type: none"> • systems engineering for a middleware platform • responsibility for GUI issues (design guide, usability, templates) • leading design teams for server development projects • requirements engineering, responsibility for specifications • assessment and negotiation of effort estimations • leading task forces (performance analyses; GUI integration) • training concept planning for a new development location • architecture / systems engineering for application server projects
since January 1996:	<ul style="list-style-type: none"> • System Developer with Siemens Public Networks (Intelligent Networks)
▶ <i>Topics and Projects:</i>	<ul style="list-style-type: none"> • evaluation of OEM hardware, coaching cooperation partners • code review • evaluation of DB and web technologies, internationalisation • supervision of external development GUI server • design of service concepts and data models • user interface design guide; software design guide • design and development of server and DB components • edition and review of specifications
May 1995 – Oct. 1995:	<ul style="list-style-type: none"> • Software Developer with a small software company @ Lübeck
Jan. 1989 – March 1995:	<ul style="list-style-type: none"> • Research Assistant at Freie Universität Berlin, department for software engineering and distributed systems
Nov. 1987 – Dec. 1988:	<ul style="list-style-type: none"> • Scientific Employee at the research institute of the society for mathematics and data processing (now Fraunhofer) at the Technical University of Berlin (ESPRIT research project about distributed systems)
during studies:	<ul style="list-style-type: none"> • various Teaching Assistant positions, mainly in the computer science department giving tutorial or practical courses

Jan. – March 1979:	<ul style="list-style-type: none"> • training as a Programmer in the computer department of the district savings bank of Ostholstein
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SEMINARS AND FURTHER QUALIFICATION

Nov. 2011	<ul style="list-style-type: none"> • Project Management Advanced. HTW Berlin
Feb./Mar. 2011	<ul style="list-style-type: none"> • Quality Management. TÜV SÜD Akademie • Examined Quality Management Representative QMR-TÜV • Examined Quality Management Auditor QMA-TÜV
Oct. 2010 – Feb. 2011	<ul style="list-style-type: none"> • Project Management compact. HTW Berlin
Jan. 2008	<ul style="list-style-type: none"> • User Interfaces für Anwendungssoftware – Entwurf und Prototyping. Deutsche Informatik-Akademie, Dr. Wolfgang Dzida
Oct. 2007	<ul style="list-style-type: none"> • Scrum Master Certification Course. ScrumAlliance, Bas Vodde
Sep./Oct. 1991	<ul style="list-style-type: none"> • Advanced School on the Algebraic Logical and Categorical Foundations of Concurrency, Gargnano del Garda. EATCS, ESPRIT
July/Aug. 1990	<ul style="list-style-type: none"> • International Summer School on Programming and Mathematical Method, Marktoberdorf. NATO Advanced Study Institute, TU München
July/Aug. 1989	<ul style="list-style-type: none"> • International Summer School on Logic, Algebra and computation, Marktoberdorf. NATO Advanced Study Institute, TU München

EDUCATION

1995/1996:	<ul style="list-style-type: none"> • doctoral thesis: “Transparent Distribution of object-oriented Programs” • degree Dr. rer. nat. «magna cum laude», Freie Universität Berlin
► <i>Focus:</i>	<ul style="list-style-type: none"> • distribution and parallelism in object-oriented systems
1979 – 1987:	<ul style="list-style-type: none"> • studies of computer science and mathematics, Christian-Albrechts-Universität Kiel • diploma degree with grade 1.0 (= “very good”, best grade); thesis: “implementation of a transition semantics for parallel programs with shared variables”
► <i>Focus:</i>	<ul style="list-style-type: none"> • software correctness, programming languages and compiler construction, parallel processing, computer architecture
1966 – 1978:	<ul style="list-style-type: none"> • school education in Flensburg, Kiel, Eutin, final grade 1.6 (1 = “very good”, 2 = “good”...)

KNOW-HOW / SKILLS / PROFESSIONAL PROFILE

► *Extensive or recent experience is emphasized in bold*

MANAGEMENT AND SOFT SKILLS

DEVELOPMENT PROCESSES AND PROJECT MANAGEMENT	
	<ul style="list-style-type: none">• Requirements Management, Change Request Management• Agile Processes, agile development (Certified Scrum Master)• Quality Management (Examined Quality Management Representative and Auditor)• Project coordination, International Project Teams• Effort estimations and negotiations• Agile Usability Process
LEADERSHIP EXPERIENCE:	
	<ul style="list-style-type: none">• Education (see teaching experience below), supervision of diploma theses• Coaching of cooperation partners and offshore development• Team Leader of product planning design teams and task force teams• Technical coordination in international projects
LANGUAGE KNOWLEDGE:	
	<ul style="list-style-type: none">• Fluent German and English• Expandable French and Spanish

TECHNOLOGIES

SYSTEM ARCHITECTURE:	
	<ul style="list-style-type: none">• System Engineering and Architecture (interworking, components, standardization)• High Availability systems ("carrier grade"), high-performance, scalable systems• System Specifications (requirements, functional features, design)• Usability Engineering• Usability Guidelines and User Interface Design
PROGRAMMING LANGUAGES:	
	<ul style="list-style-type: none">• Java, various legacy languages,• Assembler languages (Siemens/IBM, Intel, Motorola)• Scripting
OPERATING SYSTEMS:	
	<ul style="list-style-type: none">• Unix/Linux, Cygwin, Apollo DomainOS• BS2000, DEC TOPS/10, CP/M, VMS• MSDOS, Windows
TELECOMMUNICATION TECHNOLOGIES:	
	<ul style="list-style-type: none">• Protocols, switching, control software, resource platforms• System Integration, OEM test
COMMUNICATION TECHNOLOGIES:	
	<ul style="list-style-type: none">• Internet protocols (HTTP, SIP, ...)• Web Interaction Technology (REST approach)• Communication protocols (SIP, SIP SIMPLE, ..., IN protocols, ...)• Communication infrastructure (IMS, application servers, ...)
SOFTWARE TECHNOLOGIES:	
	<ul style="list-style-type: none">• Compiler construction, hardware-related programming, correct software design• Software Design, Reliable Algorithms design, program transformation and verification, review and test of software, reverse engineering, software component auditing• Software Paradigms: object-oriented, functional, interfaces• Development platforms, J2EE• Web design, Client/Server Presentation Techniques (HTML, JavaScript, CSS, JSP, ...)

- DBMS, SQL, JDBC

DEVELOPMENT PROJECTS

SOFTWARE DEVELOPMENT PROJECTS:

- Trigonometric calculation programs (for use in land register offices)
- Device drivers / complete BIOS for CP/M
- LISP compiler
- Semantic interpreter for parallel programs
- Stub generator for distributed Modula programs
- Distribution system for object-oriented programs
- Call control (telecommunication)

► *Server Components:*

- **Web Server**, account management, user management GUI

► *Open Source:*

- **Text and Program Editor with Unicode Support** (<http://mired.sourceforge.net/>)
- Optimiser for PostScript fonts
- Contributions and review: cygwin, mintty, xterm, ...

HARDWARE DEVELOPMENT:

- Construction of a microcomputer from card modules, hardware debugging

TEACHING EXPERIENCE

since 1998:	<ul style="list-style-type: none"> lectures and tutorials on digital technology, computer architecture, computer systems, TFH Berlin / Beuth-Hochschule für Technik Berlin
2010–2011:	<ul style="list-style-type: none"> programming 2, HTW Berlin
1997:	<ul style="list-style-type: none"> lecture and tutorial on object-oriented programming, FU Berlin
at FU Berlin:	<ul style="list-style-type: none"> software training course, non-sequential programming tutorial introduction to the object-oriented programming language Eiffel, programming for mathematicians hardware training course
during studies:	<ul style="list-style-type: none"> tutorial and practical courses in various fields, including programming, artificial intelligence, numerical analysis, computer organisation, microprocessor programming
1977/78:	<ul style="list-style-type: none"> computer science course at school in Eutin

PUBLICATIONS AND PRESENTATIONS

- Implementation of a transition semantics for parallel programs with shared variables. In STACS '89, Paderborn, LNCS 349.
- Organization of mixed language programming in heterogeneous distributed systems. ESPRIT project Delta-4 report 4.5, 1988.
- Verteilung nebenläufiger objektorientierter Programme. Vortrag Arbeitskreistreffen Betriebssysteme der Gesellschaft für Informatik, Dresden 1992.
- On integrating concurrent computation into distributed objects with inheritance. Workshop on concurrency and distribution in object-orientation, TOOLS '93, Versailles.
- S. Finke, P. Jahn, O. Langmack, K.-P. Löhr, I. Piens, Th. Wolff: Distribution and inheritance in the HERON approach to heterogeneous computing. Proc. 13th Int. Conf. on Distributed Computing Systems (ICDCS), Pittsburgh 1993.
- P. Jahn, I. Piens, T. Wolff: The HERON transparent distribution system for heterogeneous high-level object-oriented programming. System demonstration at ECOOP '94, Bologna.
- Problems with language-conformant implementation of transparent distribution of a high-level object-oriented programming language. System Implementors' Workshop, ECOOP '94, Bologna.
- Transparently Distributing Objects with Inheritance. 28th Hawaii International Conference on System Sciences, Wailea 1995.
- Klaus-Peter Löhr, Irina Piens, Thomas Wolff: Verteilungstransparenz bei der objektorientierten Entwicklung verteilter Applikationen. OBJEKTspektrum November/ Dezember 1994 Nr 5.
- Peter Hoffmann, Anton Weinberger, Thomas Wolff: Heterogene Transparenz bei der Verteilung von Objekten in HERON. Workshop Anwendungsunterstützung für heterogene Rechnernetze, Freiberg März 1995.
- Ganz Eiffel in 5 Tagen. Vortrag bei der Veranstaltung Eiffel in Schule und Hochschule, Darmstadt 1995.
- The moderate approach to integrating concurrency and object-orientation. Fachbereich Mathematik der FU Berlin, Report B-95-07, 1995.
- Transparent Object Distribution and Remote Inheritance. In Amr Zaky, Ted Lewis (eds.): Tools and Environments for Parallel and Distributed Systems, Kluwer 1996.
- Transparente Verteilung objektorientierter Programme. VDI Verlag 1996.
- Design strategy for an HTML administration and management user interface. Human Computer Interaction International (HCII) '99, München 1999.
- Java – eine Sprache für Alle(s)? Eine kritische Abhandlung. Vortrag FH Wedel Januar 2001.
- Kommunikation im e-Commerce. Vortrag FHTW Berlin Juni 2001.
- Postmoderne Software-Entwicklungsmethodik. Vortrag TFH Berlin November 2001.
- Architekturen und Plattformen für Web-Applikationen. Vortrag FHTW Berlin Januar 2002.
- Postmoderne Softwareentwicklung. Vortrag Max-Planck-Gesellschaft Januar 2002.

- Softwareentwicklung für verteilte Architekturen – Methoden und Rezepte. Vortrag FH Brandenburg März 2002.
- Aspekte der Hochverfügbarkeit in Servern für Telekommunikationsdienste. Vortrag TFH Berlin November 2004.
- Mined: An Editor with Extensive Unicode and CJK Support for the Text-based Terminal Environment. 27th Internationalization and Unicode Conference, Berlin 2005.