

Curriculum Vitae

Thomas Taeger



Personal data	<ul style="list-style-type: none"> • Thomas Taeger • Jahnstr. 53 • D-64285 Darmstadt • mobile: +49(0)160 / 444 88 42 • taeger@classic-and-class.com • Family status: single, no children • Born: 13th of August, 1954, in Soest / Westfalen 						
Available	<ul style="list-style-type: none"> • See: http://www.classic-and-class.com/projekte.html 						
Main focus	<ul style="list-style-type: none"> • SOA, UML-2, J2EE-/Java-Architecture, OOA, OOD, Interface Mapping • Structured ER Modelling (SERM) 						
Education	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; vertical-align: top;">1982</td> <td>Informatiker (EDV): Institut für Informatik, Betriebswirtschaft und Elektronik (IBE) in Karlsruhe; Professors (et al.): Klaus R. Dittrich (databases, IS, business economics), Horst Wettstein (operating systems), Hans-Peter Dürr (graph theory), Helmut Rohlfing (Program construction, Pascal, Cobol, Assembler)</td> </tr> <tr> <td style="vertical-align: top;">1980</td> <td>Dipl.Soz.Arb.FH in Freiburg</td> </tr> <tr> <td style="vertical-align: top;">1973</td> <td>Abitur in Lahr / Baden</td> </tr> </table>	1982	Informatiker (EDV): Institut für Informatik, Betriebswirtschaft und Elektronik (IBE) in Karlsruhe; Professors (et al.): Klaus R. Dittrich (databases, IS, business economics), Horst Wettstein (operating systems), Hans-Peter Dürr (graph theory), Helmut Rohlfing (Program construction, Pascal, Cobol, Assembler)	1980	Dipl.Soz.Arb.FH in Freiburg	1973	Abitur in Lahr / Baden
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1980	Dipl.Soz.Arb.FH in Freiburg						
1973	Abitur in Lahr / Baden						
Continuing education / certification	<ul style="list-style-type: none"> • 2012 Moderation training, Manfred Werner, Darmstadt • 2010 iSQI Certified Professional for Project Management • 2010 iSAQB Certified Professional for Software Architecture • 2006 „Sun Certified Enterprise Architect for Java Platform, Enterprise Edition Technology“, Sun Microsystems • 2005 „OMG-Certified UML Professional Fundamental Exam“, Prometric • 2004 „Standard-Software SAP R/3 – Modul Produktion + Logistik“, VWA Wiesbaden • 2003 „Sun Certified Enterprise for Java 2 Platform, Enterprise Edition, Technology Exam“, Sun Microsystems • 2001 „(SL-500) J2EE Patterns“, Sun Educational Services, Frankfurt • 1995 Oracle Kurs K331 „Datenbankverwaltung von Oracle7“, Oracle Schulungszentrum München • 1988 „Einführung in Unix und seine Tools“, Interface GmbH München • 1984 „iRMX-86 Workshop“, Intel Education Center 						

Main area

- Software architect, SOA-/J2EE-/Java-EE-architect
- System analysis, OOA
- Software design, OOD
- Modelling for UML 2 and 1.4
- Consulting, training and coaching
- Common components / framework development
- Data modelling (Structured ER-Model, SERM)
- Database design
- Multitier applications written in Java, J2EE, EJB
- In former years: server- and client-side (Swing) Java development, Pascal and PL/SQL development.

References

- Projekt Architekturdokumentation, Apr. 07 bis Okt. 07, Christian Kählig, Chief Architect, IT-Systeme
"Herr Taeger hat uns im Bereich der Architekturdokumentation bei der Erstellung eines Standard-Templates sowie eines Generators unterstützt.
Die Tätigkeit erforderte umfangreiche Modellierungs- und Designkenntnisse sowie ausgeprägtes UML-Knowhow, die Herr Taeger aufgrund seiner langjährigen Erfahrung in diesem Umfeld vollständig einbrachte. Er verfügt über dedizierte UML 2 Kenntnisse und hat einen guten Marktüberblick im Bereich der UML Tools. Seine sympathische Art kombiniert mit seinen fundierten Informatikkenntnissen haben wesentlich zu einer sehr guten Zusammenarbeit in unserem Hause beigetragen. In diesem Umfeld würde ich jederzeit gerne wieder mit ihm zusammenarbeiten."
- Projekt BMW AG, Jul.06 bis Sep.06: Referenz telefonisch möglich durch CAES GmbH, Herr Rafael Gallus, Tel. +49 (0)8232-906546
- Projekt Design der Architektur für ein neues Java- und Web-basiertes Versicherungs-Verkaufssystem, Jul. 05 bis Aug. 05:
Referenz vom 13.03.06 durch IT-Beratung Tischendorf, Herr Raymond Tischendorf, Tel. +49 (0)89 46201166
"Herr Taeger zeigte, dass er die Entwicklungsmethodik UML beherrscht, die aktuellen Entwicklungen genau verfolgt und verschiedene Architekturansätze gut bewerten und darstellen kann. Sein Vorgehen ist vollständig durchgeplant und gut vorbereitet. Mit großen Einsatz hat er sich in die Versicherungsthemen eingearbeitet und beim Design auch Details nicht übersehen.
Falls ich wieder Bedarf habe, würde ich gern wieder auf ihn zurückkommen."
- Projekt Erstellung einer J2EE-Architektur in der Gesundheits-Telematik, von Aug. 04 bis Feb. 05:
Referenz durch Geschäftsbereichsleiter Saxonia Systems AG, Dresden, Herr Frank Schwarz, Tel.: +49 / (0)351 / 497 01-610
- Projekt B2B Electronic Transaction System, von Jan. 01 bis Aug. 01:
Referenz vom 18.09.03 durch Projektleiter BBE Handelsberatung, München, Herr Andreas Platzer, Tel. 089 - 55 118 - 177
"Der Consultant erstellte im Rahmen unseres Projekts Electronic Transaction Center für den Deutschen Einzelhandelsverband das Datenmodell, die Architektur, den Software-Entwurf und die Common Components in Java und bewies dabei fundiertes Know How. Seine Zusammenarbeit mit uns und externen Mitarbeitern war geprägt von Verantwortungsbereitschaft für das Gesamtprojekt und Einfühlungsvermögen für den Hintergrund des anderen. Selbst für fachliche Fragen der Business-Prozesse und für die Koordination des Java-Teams wurde er schon bald zum zentralen Ansprechpartner. Gern würden wir mit ihm in einem weiteren Projekt nochmals zusammenarbeiten."
Diese Referenz ist durch GULP bestätigt (GULP-ID 37977).
- Projekt Java-Architektur, von Jul. 02 bis Okt. 02:
Referenz vom 09.08.03 durch Techn. Projektleiter Heidelberger Druckmaschinen AG, Herr Dr. Harald Schulz, Tel. 06198 – 502134
"Der Consultant hat in der Projektzeit als Java-Architekt und EJB-Entwickler die Architektur für das Projekt entwickelt. Die Architektur bestand aus einem Oracle-Datenbank, einem ATG/J2EE-Server, Enterprise Java-Beans und Java Server Pages. Wir waren mit den erbrachten Leistungen voll und ganz zufrieden. Der Consultant trug durch sein Engagement zum Projektfortschritt und zum erfolgreichen Abschluss erheblich bei."
Diese Referenz ist durch GULP bestätigt (GULP-ID 37977).

Branches of trade	<ul style="list-style-type: none"> • telco, telecommunication • insurances • health care, medical engineering and laboratories • automotive • stock exchange, bank • internet trading • printing, publishing, printing machines • heating engineering, air-conditioning technology • electronics industries • steel industry • traffic control • chip wafer industries • electro-acoustics, acoustics • automatic control engineering
Programming languages	<ul style="list-style-type: none"> • Java since JDK 1.0.2 for servers and clients; J2SE, J2EE, J2ME • Pascal (HP, Borland & Turbo 3 to 7, VAX) • XSLT • C++ (Borland & Turbo; VC++; Metrowerks); C (HP; Turbo) • PL/SQL • PL/I, COBOL, IBM-Assembler • Macro-Assembler 8080, 8085, Z80, 80x86, 8051 • PL/M, Fortran 77, Visual Basic for App., 4th Dimension (ACI/Mac)
Tools	<ul style="list-style-type: none"> • ModelCompander (internal) • Sparx Enterprise Architect 6.5, 7.0, 7.1 • Borland Together 2006 R2, Together Designer 2005 • Together ControlCenter / Solo 6.x • Other UML-2 Tools (MID Innovator ...) • Eclipse with Ant, Xdoclet and OC4J-remote-debugging • Jdeveloper, JBuilder • Other Borland-IDEs (Pascal, C++, Assembler) • Oracle-Forms-Design • Sybase PowerDesigner • BOIE (PSI) • JProbe; HP-Profiler for Pascal; Optimize-It • Subversion, CVS, Tortoise-CVS, PVCS, CM-Synergy • OC4J • log4j • In Circuit Emulators: Siemens-SME, Intel-ICE, Nicolet
Methods	<ul style="list-style-type: none"> • System analysis, system design, OOA, OOD and OOP using UML 2 and UML 1.4 • SERM (Structured ER Modelling acc. to Sinz) • J2EE design patterns • SOA, EAI, EPK • decision table techniques, network planning technique • finite state machines
Databases	<ul style="list-style-type: none"> • Oracle: 5, 6, 7.3, 8.1, 8i, 9i • MySQL 4.0.16 • Berkeley-DB4 in OpenLDAP • JDBC • SQL scripts • Informix, MS-Access, 4th Dimension

Operating systems	<ul style="list-style-type: none"> • Java platforms, Applets, Java WebStart, OSGi • MS-Windows-7, XP, 2000, NT 4, 3.11; MS-/DR-/Novell-DOS • Linux (Redhat, SuSE) • MacOS • Sun Solaris, Sun OS (Sun SPARCstation) • HPUX (HP-550, HP-830) • VME + VOLLIE (IBM-4331 and IBM-370) • VMS (DEC VAX-730, VAX-750 and PDP-11) • RTE-A (HP-1000, A400, A700) • iRMX-86 (Autophon Infranet ZR-820 (8086)) • OS-85 und ISIS-II (Autophon Infranet AS-820 (8085)) • CP/M-80 (ECB computers (Z80) with emulators) • CP/M-80 and Turbo-DOS (Z80 QC systems) • ISIS-II (SME/MDS (8085) with InCircuit-Emulator ICE-85) • controller boards (ECB, 8259, 8251, 8255; 8085, Z80)
Data communication	<ul style="list-style-type: none"> • Internet, intranet, extranet • B2B transactions server and Java clients over TCP/IP • WWW server (database-based Java- or CGI-applications) • Tunneling via Port 80 • LDAP • TCP/IP • RMI/RPC/SOAP • Siemens data transfer protocol DUST 3964 • computer links, modem driver implementation, ...
Experiences	<ul style="list-style-type: none"> • SOA Architecture • SOA Service Identification and Modelling • J2EE-architecture for insurances • J2EE-architecture for health care telematics • J2EE-architecture for e-procurement (automotive) • Java Architectures • Objekt-relational database design • Internet- / Java-ApplicationServer development; J2EE, EJB 2.0 • Usability, user guidance, GUI development in Java • Software engineering, refactoring , programming • Sub-project management, team-lead, virtual teams • Software quality control, documentation • Training and Coaching • Common-component programming for stock exchange / clearing • UML modelling • Data modelling • Internet-catalog server (database-based, Java progr.) • Media-independent generation of catalogs, database publishing • Technical process data processing (ASM, Pascal, C++, Java) • Heater controller programming (C++) • Clinical-chemical laboratories (PL/I) • Telco (audit; system analysis for accounting; PL/SQL programming for sales commissioning) • Electroacoustics, acoustics • CIM- / computer integrated manufacturing (C++, Pascal) • Transactional mechanisms (realization in Pascal) • Logarithmic Least Recently Used (LRU) / swap algorithms
Languages	<ul style="list-style-type: none"> • German: very good - mother tongue • English: good • Spanish: basics • Latin and Old Greek: basics left

**Publications,
association work ...**

- Coauthor of "Leitfaden Softwarevertragsrecht" (Zusammenarbeit des Fachverbandes Software und der Abteilung Recht im VDMA); Schwerpunkt "Systemspezifikation als eigenständige Vertragspflicht"; see www.vdma.org/ilwwcm/connect/Home/de/Datenbanken/Publikationen
- Collaboration in the „Arbeitskreis Freiberufler und Selbständige der Regionalgruppe Rhein-Main der GI“ since 2004
- Member of the „Gesellschaft für Informatik“ (GI) since 1992
- Publications, presentations, facilitation and events 1979 till 1993
- Several inventions and patent-researches in 1979, 1984, 1991, 1992, 1993, 1994, 1995, 1997, 2000, 2004, 2005, 2013; Patent 10 2013 019 653.1
- Leded youth groups at social hotspots 1973 till 1980
- Hobbies: Dancing, building music instruments, making music, snorkeling, swimming

Projects

Mar.14 **ModelCompander (tool provider, internal)**

- Dependencies modelling tool e.g. for Structured ER Models (SERM) and Service Interface Specification incl. mapping of the attributes.
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Function: Java architect, Java designer and Java developer

IT basis: ModelCompander; Java 6, Eclipse Juno; JBoss 7.1; CentOS 6.3, FileZilla; PuTTY; Windows 7; Apache POI (HSSF)

Feb.14 **Prime consulting for an energy provider**

Function: Data modelling, software architecture

Dec.13 **ErgoKuechenApp (Android)**

- Designing and programming an Android app for planning kitchens, with particular consideration on accessibility and ergonomics.
Jan.14 Internal project, still pending.

Function: Android- / Java-Architect, -Designer and -Programmer

IT basis: Android-Smartphone; Java 6

Jan. 13 **ModelCompander (tool provider, internal)**

- Dependencies modelling tool e.g. for Structured ER Models (SERM) and Service Interface Specification incl. mapping of the attributes.
Nov.13

Function: Java architect, Java designer and Java developer

- JBoss server installed (1&1)
- Multitenancy implemented in ModelCompander
- Servlets interface added
- Ported ModelCompander to JBoss server

IT basis: ModelCompander; Java 6, Eclipse Juno; JBoss 7.1; CentOS 6.3, FileZilla; PuTTY; Win 7

Apr.12 **Deutsche Bank, Eschborn**

- Dec.12 **Function:** Webservice Interface Documentation, Requirements Analysis, Software-Design

- Documentation how the attributes of the ZurichSSt (webservice interface of the Züricher Versicherung) needs to be filled by the eVorsorge application PIA of the Deutsche Bank
- eVorsorge (PIA) migration test from Citrix-eBranch to Citrix-IDS/-eDS
- CoSMOS Middle Office / CMO-Ordering: Fast Order Client for Open Ended Real Estate Funds:
Author of the High Level Design (HLD)
- SAM (Securities Account Master):
Co-author of the Detailed Software Requirements Specification (DSRS)
Co-author of the High Level Design (HLD)
- Securities Account Opening: DocSpec for printing partly prefilled forms via OMS / DocWrite

IT basis: Sparx Enterprise Architect 9.0; Eclipse Java EE IDE (.java, .wsdl, .xsd); soapUI; DevAccess; HP ALM (formerly HP QC); Lotus Notes 8.5; IE 8; Citrix; Win7

Oct.11	Akademie 55plus, Darmstadt (IT-Consulting)
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Feb.12	Function: Data Modeler <ul style="list-style-type: none"> - Data model of the new association software “AkaV” (course registration ...) for MySQL database that will replace the MS-Access solution - SQL-DDL scripts for building the database - SQL-DML scripts for accessing the database - IT Architecture IT basis: ModelCompander

Jun.11	ModelCompander (tool provider, internal)
–	Dependencies modelling tool e.g. for Structured ER Models (SERM) and Service Interface Specification incl. mapping of the attributes.
Sep.11	Function: Java architect, Java designer and Java developer <ul style="list-style-type: none"> - Programmed enhancements of Parsers, Transformers and Generators. IT basis: MDSD, ModelCompander; Sparx Enterprise Architect 7.1; Java 6, Swing; Eclipse; Win 7; Apache POI (HSSF)

Mar.11	Bundesagentur für Arbeit, Nürnberg
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May 11	Function: SOA Architect <ul style="list-style-type: none"> - Architectural guidelines - Gathering and design of the architecture of services - Design matching of interfaces to external systems and other projects - Design matching of internal interfaces - Modelling UML2 IT basis: Caliber, Sparx Enterprise Architect 7.1, (Innovator 11), Outlook, MS-Office

Oct.10	Infrastructural Concept and Realization for Agora eG Darmstadt (IT-Consulting)
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Feb.11	Research, concept and consulting on setting up an Internet infrastruktur including WebSite, eMail distribution, Online-Folders and Wiki. Function: Requirements Analyst, Data Modeller, IT Consultant, Coordinator <ul style="list-style-type: none"> - Gathered and analyzed Requirements - Researched Providers - Elaborated provider specific and generic data models and concepts - Coordinated functional and technical stuff (Website, Wiki, ...) - Realized Wiki, E-Mail lists and web drive IT basis: ModelCompander, MediaWiki, WinSCP, mehrere Provider, MS-Office ...

Oct. 09	ModelCompander (tool provider, internal)
–	Dependencies modelling tool e.g. for Structured ER Models (SERM) and Service Interface Specification incl. Mapping of the attributes.
Sep.10	Function: Java architect, Java designer and Java developer <ul style="list-style-type: none"> - Programmed enhancements. IT basis: ModelCompander, Sparx Enterprise Architect 7.1; Java 6, Swing; Eclipse; Win 7

Nov.08	Telekom VertriebsPartnerPortal: Konzeption T-VPP T-Home B2B-Adapter (Telco)
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Sep.09	Function: Functional Designer, SOA Architect
	<ul style="list-style-type: none"> - modelled the 19 B2B Adapter Services and eleven internal Services using UML-2 Activity diagrams - mapped the parameter attributes within and between Service requests and responses - mapped error codes and messages between systems - documented the architecture using Context and Component Diagrams (UML-2) - constructed Sequence diagrams crossing system boundaries (UML-2) - maintained textual activity descriptions, textual Service descriptions and implementation concept of the B2B adapter - wrote the functional concept incl. Template and Statechart and Sequence diagrams - maintained developers - wrote the catalogue of test cases.
	IT basis: MID Innovator (UML-2), ModelCompander; Sparx Enterprise Architect 7.1; Oracle JDeveloper; Eclipse 3.4.2
Aug.08	ModelCompander (tool provider, internal)
–	Data modelling tool for Structured ER Models (SERM).
Oct.08	Function: Java architect, Java designer and Java developer
	<ul style="list-style-type: none"> - Programmed enhancements.
	IT basis: MDSD, ModelCompander, Java SE 6, Eclipse 3.3, WinXP
Jan.08	DB Systel, Frankfurt (Transport and Logistics)
–	<ul style="list-style-type: none"> - UML-2-Modelling of the Project WIN and of the interfaces between the Systems for the IT-Grobkonzept of WIN_ARC
Jul.08	<ul style="list-style-type: none"> - WIN-IST-Modellierung in UML-2 - Support for WIN subproject WIN_VER (Veröffentlichung) in UML-2
	Function: Functional Architect, Schwerpunkt UML-2-Modellierung für SOA
	<ul style="list-style-type: none"> - Identified external and internal SOA services and interfaces between the six systems and from and to the appr. 30 external systems, based on given concepts and by interviewing - Modelled the SOA services and interfaces in UML 2 - Modelled GlobalServiceInterfaces incl. typical operations in UML 2 for the identified Provided and Required Interfaces - Adjusted the Provided and the Required Interfaces (in partly models) with the teams concerned with the Service Contract - Separated GlobalServiceInterfaces, external systems, Actors and business classes from their specific projects and made them available for other projects via a shared package - Designed the system context diagram and component diagrams of the WIN actual state - Designed the Word template for describing SOA services and interfaces - Designed the procedure model for describing SOA services and interfaces - Supported the UML 2 modelling of subproject WIN_VER
	IT basis: UML-2 / Sparx Enterprise Architect 6.5 + 7.1; Subversion, ClearCase
Jan.08	Kabel Deutschland, München (Telco)
–	<ul style="list-style-type: none"> - Generator of Architecture Documents
Mar.08	<ul style="list-style-type: none"> - SOA Architecture Documentation
	Function: UML-2-Tool-Development (Java, XSLT) and SOA Architecture Document
	<ul style="list-style-type: none"> - Developed a generator tool for Architecture Documents using Java and XSLT that generates an Architecture Document from the XMI file of an UML-2 model, several .doc and many interface and component descriptions (.doc); for HTML (Wiki) and PDF. - Modelled the SOA reference architecture in UML-2 - Developed several Architecture Documents and UML-2 diagrams incl. multiple Viewpoint definitions and Views acc. to IEEE 1471 / ISO/IEC 42010
	IT basis: UML-2 / Sparx Enterprise Architect 7.0, XMI, Xalan (XSLT, XPath and SAX), Java SE 6.0.2; Oracle SOA Suite; Subversion, ...

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- Nov.07 **DB Systel, Frankfurt (Transport and Logistics)**
– UML-2 modelling and Usecase gathering for the IT-Grobkonzept of the „Baubetriebliche
Mar.08 Zugregelung Management System“ (BMS, a subproject of project WIN)

Function: Functional Architect, UML-2-Modelling for SOA

- Modelled the given textual concept „Lösungsidee Baubetrieblichen Zugregelung“ in UML 2 as a basis for interviewing
- Performed interviews with DB Netz
- Designed Usecases incl. their descriptions, and system context-, Usecase-, Component-, Class-, State- and Activity-diagrams of the project BMS in UML 2
- Applied a DB Systel specific UML profile
- Identified external and internal SOA services for BMS and modelled them as Provided and Required Service Interfaces in UML 2

IT basis: UML-2 / Sparx Enterprise Architect 6.5; Subversion, ClearCase

- Apr.07 **Kabel Deutschland, München (Telco)**
– Netzverwaltungssysteme, Project Delphi 1.0

Oct.07

Function: Software , Architectural Reverse Engineering

- Reverse-Modelling in UML-2
 - Static diagrams in Sparx Enterprise Architect 6.5
 - Round-trip-enabled Interaction diagrams from code in Together 2006 R2
- Template for Architecture Documents acc. to IEEE 1471, ISO/IEC 42010 designed
- ArchDoc generator developed, that assembles and converts UML-models (XMI) and Word files including non-project-specific interfaces und components to HTML pages, navigable in Wiki, including drill-down into detailing UML diagrams
- ure dokument for the projekt Delphi 1.0 designed

IT basis: Sparx Enterprise Architect 6.5, Together 2006 R2; Xalan (XSLT and SAX), Java SE 6.0.2; EAI / Tuxedo 9.1, Oracle ESB, Oracle 9i, 10g, Informix, Subversion ...

- Oct.06 **Eigenentwicklung (Software-Industrie)**
– Java Interfaces for Men Machine Interfaces

Mar.07

Function: J2EE-Architect, Proof of Concept-Java-Developer

- Modelling
- Java development.

IT basis: Together 2006 R2, Together 2006 Arcas, Together 6, Eclipse 3.2, Sparx Enterprise Architect 6.5, Java SE 5, Swing, ...

- Jul.06 **BMW AG, München (Automotive)**
– Model Driven Architecture, Dialog Machines and frontend development in the area of
Sep.06 management of releases and modifications for automotive designing engineers (PEP PDM LS3).

Function: Design of Dialog Machines, Model Driven Architecture (MDA) and Frontend Development

- Modelling Platform Independant Model using TogetherJ and generating the Platform Specific Model using MDA-Plugin for CA-2.0.
- Modelling 20 Dialog Machines for Struts based UTC/SA-Framework.
- Frontend development in the area of management of parts and versions.

IT basis: J2EE 1.4; BEA Weblogic 8.1; JMS; Oracle database; access to diverse EAI-/ legacy systems; Struts-/Tiles-/JSP based UTC/SA-Framework; UML: TogetherJ 6 having a MDA-Plugin for CA-2.0; Eclipse 3.2; JDK 1.4; CVS, Subversion

Jan.06 **Deutsche Telecom AG (telco)**
Audits concerning voice systems (voice portal).

Function: Audits, review of system, documentation and code

- Criteria definition
- Interviews
- Reviews

IT basis: Java, VoiceXML

Aug.05 **ProACTIV, Hilden (insurances)**
– J2EE architecture for new insurances sales component.

Sep.05

Function: J2EE architect

- Designed the architecture of the new Java- und web-based insurances sales component including a „product server“.
- Modelled the activities and the data structures.
- Documented all architectural decisions and processes.
- Component-, usecase-, activity- and class-diagrams.
- Triaged the „Versicherungs-Anwendungs-Architektur“ (VAA of gdv).

IT basis: UML 2.0 in Borland Together Designer 2005; Java-5; PL/I; BEA WebLogic; MQSeries; IBM IMS/DC having a 3270 UI

Jul.05 **ProACTIV, Hilden (insurances)**
– UML 2.0 tool evaluation.

Aug.05

Function: J2EE architect

- Evaluated about a dozen UML 2.0 compliant UML tools, for instance those listed in www.uml.org.

IT basis: Borland Together Designer 2005, Borland Together V1.1, IBM Rational Software Modeler, IBM Rational Software , Aonix Ameos UML Developer, Aonix StP UML, Altova UModel 2005, Artisan RealTime Studio, Embarcadero Describe, I-Logix Rhapsody, NoMagic MagicDraw UML, SparxSystems Enterprise , Telelogic TAU Developer, Telelogic TAU , Visual Paradigm for UML.

Mai.05 **EvalLearn München (training)**
– EvalLearn trainings

Jul.05

Function: Management, GL

- Initiated the new business division in www.evaluatearn.com

IT basis: ModelComander (SERM), Mozilla composer (HTML) and Dreamweaver MX (HTML), MS office

Mär.05 **Saxonia Systems AG, Dresden (health care)**
– Technical infrastructure for the servers of the new German health care telematics using eHC.

Apr.05

Function: J2EE- Architect

- Specified several infrastructures including up to 20 computers each (web servers, application servers, database servers, LDAP servers, syslog and backup servers, load balancers, firewalls, ...) for clustering, load balancing and failover (collaborating with IT-Services).
- Designed LDAP schemata and AttributeTypes.

IT basis: J2EE server SAP WebAS 6.40, EJB 2.0; OpenLDAP; Tomcat; Oracle Enterprise Datenbank; LDAP; J2EE; UML: Together 6; CVS; Windows XP; SuSE Linux 8.1

Aug.04 **Saxonia Systems AG, Dresden (health care)**
– J2EE system design of a health-care telematics for the German electronic health card (eHC).
Feb.05

Function: J2EE architect

- Designed the J2EE architecture, the ArchitectureDocument and the InfrastructureModel. Modelled UML (sequence, class and deployment diagrams) using TogetherJ.
- Designed BusinessDelegates for several different protocols (WebServices, EJB).
- Designed SessionFacade and business EJBs.
- Designed Entity EJBs (EJB 2.0).
- Team lead for ApplicationServer team.

IT basis: J2EE server SAP WebAS 6.40, EJB 2.0; OpenLDAP; WebServices; Tomcat; Oracle Enterprise database; J2EE, Java, OSGi, ASN.1, XML, LDAP; UML: TogetherJ 6; CVS; Eclipse 3.0.1; AXIS; XMLSpy; Linux; Windows XP

Jul.04 **Deutsche Bank, Frankfurt (bank)**
Bank planning tool PLATO.

Function: System architect

- Designed the semantic data model.

IT basis: Tomcat 5; Oracle 9i database; PL/SQL; Excel application; ModelComponder (SERM); Sybase Power Designer 9.5.2; Quest SQL Navigator 4.2 Pro; WinNT 4

Apr.04 **Anonymeous (industry)**
– Management coaching.

Jul.04

Function: Coach

- Coaching in UML, EPK, data modelling, SQL, Oracle, Java.

IT basis: TogetherJ (UML), ARIS, Eclipse, ERWin, Oracle 8i

Apr.04 **ModelComponder (tool provider, internal)**
– Data modelling tool for Structured ER Models (SERM).

Jun.04

Function: Java architect, Java designer and Java developer

- Programmed enhancements.

IT basis: Java 1.4; Eclipse 3.0.1; Win2000

Dez.03 **Fourth Project Consulting, Wolfsburg (software provider)**
– Personal Management System.

Feb.04

Function: Redesigner, J2EE architect

- Refactored in JSP, Servlet, JavaBean and common J2EE technologies.
- Introduced the design patterns „Service ToWorker“ (Strategies: „Command and Controller“, „Base Front“ and „Dispatcher in Controller“), „View Helper“ („JavaBean Helper“ Strategy), „Decorating Filter“, „Business Delegate“, „Service Locator“, „Session Facade“, „Value Object“, „Data Access Object“, „Command“, „Flyweight“, „Factory Method“, „Singleton“, „Controller Helper“, and a constants getter JavaBean.
- Separated the tiers and the responsibilities.
- Generalized common functionality into a new shared module.

IT basis: Tomcat 5; MySQL 4.0.16; UML: TogetherJ 6; Eclipse 3.0.1; Netscape 7.1 Composer; Win2000

Mär.03 **Volkswagen AG, Wolfsburg (automotive)**
– E-procurement / e-sourcing for the automotive area
Nov.03

Function: Redesigner, designer, EJB developer, J2EE architect

- Modelled and developed EJBs (EJB 2.0).
- Modelled Robustness Analysis Diagrams for the „offers“ area.
- Designed the Business Domain Model (TogetherJ) / conceptual data model (SERM, using ModelCompander), logical and physical database schema (using PowerDesigner) and class diagrams for the areas „RFQ“ and „offers“.
- Specified the BusinessDelegate for „offers“.
- Implemented the facade-SessionBean, handler-SessionBean, Data Access Objects and EntityBeans for the process of „RFQ“ and „offers“.
- Helped on J2EE architecture and EJB-2.0 development of the Container Managed Persistence (CMP) and Container Managed Relationships (CMR).

IT basis: Oracle 9i Application Server and database under HP-UX; Oracle 9i database, access to legacy systems; Swing clients via Java Web Start to J2EE delegates; UML: TogetherJ 6; Eclipse 2.1 incl. OC4J plug-in for remote debugging; Ant and XDoclet; JDK1.3, 1.4; CM-Synergy; ModelCompander (SERM); Sybase PowerDesigner

Nov.02 **Deutscher Einzelhandelsverband / BBE (wholesale and retail)**
B2B transaction system. Quality control.

Function: QC

- Proved the usability, the documentation and the code for the purpose of quality control.
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Jul.02 **Heidelberger Druckmaschinen AG (printing industry)**
– Porting a project management tool from ASP to Java.
Sep.02

Function: Redesigner and EJB developer

- Designed the J2EE architecture for porting a world-wide project management tool used in the printing industry from Active Server Pages (ASP) to Java, alternatively to be used by Java clients or by JavaServer-Pages (JSP).
- Moved all business logic from the ASPs into Enterprise JavaBeans (EJB) when designing the new package structure.
- Implemented these SessionBeans.
- Encapsulated and implemented generic functionalities into Common Components, taking local debugging needs into consideration as far as possible.
- Deployed and tested in the J2EE server.

IT basis: J2EE server: ATG Dynamo 5.6.1 (J2EE 1.3.1, J2SE 1.3.1_02) under HP-UX; Oracle 8i 8.1.7; Clients per EJBs: a) architecture for Java clients via JavaWebStart and for JSPs; b) implementation in JSPs; JDeveloper 3.2 under WinNT-4 and 2000; ATG Control Center 5.1.1 under Windows 2000

Okt.01 **J2ME pilot project "Handy-Midlet for querying a data sheet server"**
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Jun.02 **Function: Designer and developer**

- Development of a MIDP library replacing the existing GUI.

IT basis: Sun Reference Implementation server under RedHat-Linux 7.2; JDK 1.3; clients: Java 2 Micro Edition (J2ME) handy emulation and download (Motorola Accompli A008, TrueSync); JDeveloper 3.2 and Forte4J under NT 4.0; Sun Wireless Toolkit 1.0.4; Starfish TrueSync Desktop 2.1

Jan.01 – Aug.01	<p>Deutscher Einzelhandelsverband / BBE (wholesale and retail) B2B electronic transaction system.</p> <p>Function: Business analyst, technical project leader, designer, Java developer</p> <ul style="list-style-type: none"> - Designed the datamodel and the logical data model (similar to ebXML) and physical database schema. - Designed the over-all architecture and the Common Components. - Clarified and designed the architecture of the business processes. - Implemented the Common Components (networking, persistence layer / JDBC, Oracle interface, common applet) in Java. <p>IT basis: ebXML; server: Java-1.2 under Solaris; Oracle 8i; JDBC; clients: Java-1.1-applet in a browser; Swing/AWT; ModelCompander (SERM); JDeveloper 3.2 WinNT</p>
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Sep.00 – Okt.00	<p>Signalbau Huber, München (traffic control) Signalbau Huber Verkehrsrechnersystem VRS2000.</p> <p>Function: Developer</p> <ul style="list-style-type: none"> - Adjusted the tableau-driver program for an operating system upgrade. <p>IT basis: HP-1000, RTE-A, Pascal</p>
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Jul.00 – Aug.00	<p>Commerzbank, Frankfurt (bank) Foreign Exchange between the bank and customers of the company.</p> <p>Function: QC</p> <ul style="list-style-type: none"> - Code review of a web application for trading products. Criteria were: reusability, compliance with programming guidelines, good separation into tiers, stability, maintainability and extensibility. <p>IT basis: Java-1.2 platforms, Swing; UML: TogetherJ</p>
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Feb.00 – Jun.00	<p>Deutsche Börse Systems AG, Frankfurt (stock exchange) Xetra-Trader and Eurex-Clearing.</p> <p>Function: Java developer</p> <ul style="list-style-type: none"> - Developed database tools for mutual simulation of the back-end, or of the front-end, during software development and for performance tests. - Implemented the loading of the hierarchical message layouts and data from the database into a autoadjusting EditorTableModel for the LayoutEditor as well as for the DataEditor. <p>IT basis: Java-1.2 platforms, Swing; JDeveloper2 and JBuilder3.5 under NT</p>
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Okt.99 – Feb.00	<p>Deutsche Börse Systems AG, Frankfurt (stock exchange) Xetra-Trader and Eurex-Clearing.</p> <p>Function: Java developer, QC</p> <ul style="list-style-type: none"> - Developed and normalized team spanning Common Components for Eurex-Clearing as well as for Xetra-Trader. - Developed a highly optimised SortedTableModel sorting changed areas only. - Developed a SubscribingTableModel replicating subscribed backend data to the client UI and highlighting them for a while. - Member of the Common Component Council. <p>IT basis: Java-1.1.7-Platforms (Solaris, AIX, VMS, NT), Swing; JDeveloper2 auf NT</p>
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Jun.99 **Deutsche Börse Systems AG, Frankfurt (stock exchange)**

– Xetra-Trader.

Dez.99

Function: Java developer, QC

- Developed Common Components.
- Developed windows-spanning common classes like a BasicTableModel and a SortedTableModel from several application specific windows that had been developed in parallel.
- Was member of the Common Component Council.

IT basis: Java-1.1.7 platforms (Solaris, AIX, VMS, NT), Swing; JDeveloper2 under NT

Apr.82 **Several projects dealing with (summary):**

– - Telco

- Jul.99
- Traffic control systems
 - Technical process data processing
 - Catalog server
 - Database applications
 - Wafer prober
 - CIM server
 - Controller programming
 - Remote data transmission
 - Airport control system
 - Quality control systems
 - Steel plant
 - Telephone switchboard computer
 - Telephone accounting
 - Collaborative laboratory of physicians
 - Clinical-chemical laboratory
 - Computer linking
 - Trainings

Function in these years:

- Software developer
- Data modeller
- Team lead
- Consultant
- Trainer