




Personal Details

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Personality	MBTI type "INTJ"
Birth	May 4, 1980, Emmendingen, Germany
Nationality	German



Personal Profile

- Doctoral candidate with focus on distributed data management and systems integration as well as process management and workflow automation
- Interdisciplinary cooperations in sectors automotive, government, and healthcare
- Eight years' worth of experience in component-oriented system architecture and OOA&D
- Two years of experience in industrial software projects and cost estimation
- Two years' worth of experience as a ScrumMaster
- Five years of experience in project lead of several scientific software projects

Conferral of a Doctorate

06/2007 – today	Doctoral candidate at Friedrich-Alexander-Universität Erlangen-Nürnberg Working title: "Process Support for Information Systems in Healthcare" Supervisor: Univ.-Prof. Dr.-Ing. Richard Lenz Expected graduation: 09/2012
Research Topics	Adaptive-evolutionary systems and integration, distrib. data management, process management, workflow automation, complex event processing, service-oriented architectures, deferred design, and active documents
Research Visibility	Twelve times first-author and eight times co-author: int'l publications and speeches on conferences and articles in journals Guest lecturer in Wroclaw, Poland (Erasmus programme, April 2010)
Fund-Raising	Three acquired projects, with my supervisor, each funding a Ph.D. position Project partners: Siemens AG, Astrum IT GmbH, sepp.med GmbH
Teaching	"eBusiness Technologies", "Conceptual Design of Databases"
Tutoring	"Exercises in Software Systems 2", "Exercises in Conceptual Modeling"
Mentoring	Twenty-four supervised B.Sc./M.Sc. theses; several seminars and practicals
Administration	Research assistants' representative at the Commission on the Field of Study: Computer Science (i.e. German "Studienkommission Informatik")
Peer Reviewing	Reviewer for 57th German annual GMDS conference (i.e. "Gesellschaft für Medizinische Informatik, Biometrie und Epidemiologie")
Memberships	Assoc. for Computing Machinery (ACM), Gesellschaft für Informatik (GI)

Work Experience

07/2005 – 05/2007	Employer: sd&m AG, Munich, Germany, a company of Capgemini Position: software engineer
(03/2007 – 05/2007)	Client: Bosch und Siemens Hausgeräte GmbH, project “Matrix” Purpose: data migration for a knowledge management system Responsibilities: system design, module, and integration tests (ANTLR parser, Java, XSLT)
(04/2006 – 02/2007)	Client: Bundesverwaltungsamt, large-scale project “Ausländerzentralregister” Purpose: technological migration of a legacy system Responsibilities: load tests, documentation, and system design (JEE web portal; high availability cluster; load balancing)
(07/2005 – 04/2006)	Client: DaimlerChrysler AG, large-scale project “Global Ordering” Purpose: individual software for operative planning Responsibilities: specification and implementation (Cobol host system; middleware)

Education

10/1999 – 06/2005	Awarded qualification: “Diplom-Informatiker” (equivalent to M.Sc. in Computer Science) Authority: Friedrich-Alexander-University, Erlangen-Nuremberg Principal subj.: Computer Graphics, Database Systems, Communication Systems Subsidiary subj.: Business Administration and Industrial Management Grade: 1.1 in the German academic grading system, marked “with honor” (equivalent to A in U.S. grading system)
09/1990 – 06/1999	Awarded qualification: Diploma from German secondary school (qualifying for German university admission or matriculation) Authority: Joseph-von-Fraunhofer secondary school, Cham, Germany Major subj.: Chemistry, Mathematics, German, Economics & Legal Education Grade: 2.2 in the German 6-point school grading system (equivalent to B+ in U.S. grading system)

Student Theses

‘Studienarbeit’ (Bachelor’s Thesis)	“Conceptual Design and Realization of a ‘Component Test Stand’ for Measurements on Enterprise JavaBeans” University- and institute-comprehensive project as part of the Comquad project of the DFG Grade: outstanding 1.0 in the German academic grading system
‘Diplomarbeit’ (Master’s Thesis)	“Design of an Open Framework for Optimizing the Distribution of Hardware and Software Components in Control Networks for Vehicles” Project with the Audi AG Grade: outstanding 1.0 in the German academic grading system

Awards & Scholarships

Student Award	<p>“Award of the Department of Computer Science” on 23rd April 2004 Authority: Friedrich-Alexander-Universität Erlangen-Nürnberg Motive: award for the best bachelor thesis in the year 2004</p>
Scholarship	<p>“e-fellows scholarship” Period: 04/2002 – 04/2005 Scholarship donor: e-fellows, Munich, Germany</p>
Teaching Awards	<p>Awards for distinguished teaching based on student evaluation: “best ‘101’ exercise course at the School of Engineering” in summer term 2009 and winter term 2010/11 Authority: Friedrich-Alexander-Universität Erlangen-Nürnberg</p>

Jobs (selected)

10/2000 – 09/2004	<p>Terms: ① winter term 00/01, 01/02, and 02/03 ② summer term 2004 Employer: institute for artificial intelligence ①, respectively institute for distributed and operating systems ② Occupation: teaching assistant for lectures “Algorithms 1” ①, respectively “Software Systems 1” ② Main activities: instruction of several classes to ①: fundamentals in algorithmic, language “Scheme” to ②: systems programming, POSIX, X/Open, language “C”</p>
01 – 28/04/2000	<p>Employer: Siemens / KWU / OI 42, Erlangen, Germany Sector: IT systems development Occupation: vacation job Main activities: software development in VBA for Excel 97</p>

Open Source Projects

Hydra	A multi-headed version control system with support for validity-based path navigation.
α -Forms	An α -Form provides the means to create, edit, and fill-in an electronic form; based on the active document paradigm.
ERA	An Eclipse-based editor for requirements analysis; based on RIF/ReqIF standards; the implementation is based on EMF
XdsRig	A healthcare IHE XDS integration profile test environment; based upon NIST and Eclipse OHF project components
OXDBS	An ontology-extended version of the eXist-DB which is a native XML database system
ECV	A \LaTeX package supporting the Europass CV standard

Continuing Education

04 – 06/08/2010	Certificate: “Six Sigma Yellow Belt Training” Authority: ESSC-D (European Six Sigma Club), Bad Berka, Germany
02 – 03/03/2010	Certificate: “Conflict Management and Conducting Negotiations” Authority: FBZHL (“Fortbildungszentrum für Hochschullehre”), Nuremberg, Germany
11 – 12/02/2010	Certificate: “Teaching in Intercultural Classrooms” Authority: FBZHL, Nuremberg, Germany
12/2009	Certificate: “University Teaching Qualification / Bavaria” Authority: FBZHL, Nuremberg, Germany Complexity: approx. two year scheme, 13 courses, 136 hours of courses Topic range: teaching and studying methods, presentation skills, communication skills, oral and written examinations, evaluation methods, mentoring methods
10/12/2009	Certificate: “Key to the Customer: Effective Market Development” Authority: Scientrepreneur, Nuremberg, Germany
12 – 13/11/2009	Certificate: “Project Management” Authority: netzwerk nordbayern, Nuremberg, Germany

Skills

Languages	German: native English: very good (Unicert III certificate) Esperanto: grass-roots level (e.g. course in Emden, Germany, May 2003)
Management	Project methodology: sd&m project model, V-Model XT, RUP Agile methodology: Scrum (several projects; ScrumMaster or Product Owner) Cost estimation and budgeting in software engineering at the sd&m AG Experience in two projects with large-scale organization at the sd&m AG Experience in one project with nearshore outsourcing at the sd&m AG
Architecture	Design methodology: OOA&D, E/R modeling, design patterns, UML, BPMN Components: Enterprise JavaBeans, Spring beans, OSGi bundles Integration: web services & enterprise service bus, data warehouses (ETL/OLAP)
Programming	Major development environment: Java & Eclipse & Maven & SVN Subsidiary development environments: vim, emacs; ant, makefiles; CVS, git Programming methods: object-oriented (Java, C++), structured (C, Cobol), functional (Scheme, XSLT), set-oriented (SQL, XPath, XQuery), model-driven (Eclipse EMF, ATL), aspect-oriented (JBoss d-AOP) Logging, debugging: log4j, slf4j; JVMPi, JVMTI; gdb Testing: JUnit, TestNG; mockito; JMeter Markup: \LaTeX , XHTML, CSS
Hobbies	Sport climbing, jogging, Capoeira, Go board game, various literature

Nuremberg, 12th April, 2012

Christoph P. Neumann