

Curriculum Vitae



Jutta Eckstein

Fifteen years experience in development, consulting and training. Main focus on agile processes, patterns, advanced object-oriented design and implementation.

Personal Information

- Partner of IT communication, Braunschweig, Germany
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Competence

- Process coaching
 - Introduction and establishment of an agile software development process (XP, Scrum, Lean Software Development, Crystal Methodologies, FDD, ...)
 - Review and improvement of an existing software development process
- Project management:
 - Project monitoring and kick-off
 - Customer relationship
 - Team coaching: Improve the communication structure in your team
 - Risk management
- Quality assurance:
 - Assessing the established software development
 - Improving the code and design by using patterns, refactoring, reviews, heuristics and metrics
 - Testing strategy for all development stages: module (unit), system (integration) and acceptance (functional)
- Retrospectives:
 - Improve your development process during project development
 - Reflect on your last project and learn from it

Career Summary

- 10/1998 – present
independent trainer and consultant in the area of agile processes and object-oriented application development
 - process coach for creating and establishing an agile process with the focus on Scrum and extreme programming for an embedded development in a Telco – enterprise
 - project coach with the focus on agile development for an embedded development
 - Facilitation of many retrospectives for improving the established software development process
 - coach for creating and establishing an iterative and incremental process as an enterprise wide process in a German bank software shop
 - project coach with the focus on setting up an agile process for a large J2EE project in an insurance consulting company in Germany
 - team and project management coach with the focus on defining and establishing an agile process and on quality assurance for a document management system at a German automobile company
 - development process and customer relationship coach with the additional focus on quality assurance in an international Extreme Programming team at a German life insurance company
 - development agile process coach with an additional focus on team communication for a large mission-critical J2EE project at a German bank software shop
 - development of a Capacity- and Availability Management-System with an international team for a Swiss bank
 - design and realization of different training courses in Germany, Spain and UK; topics: Extreme Programming, Advanced Design, Programming Languages (Java, Smalltalk), OOAD (UML, UP, RUP), CORBA

- 07/1997 - 09/1998
employed by Integral Development GmbH in Munich, Germany as a senior consultant and trainer
 - development of a Risk-Management-System with an international team for exotic financial instruments (derivatives) for a German bank; method used: UML (Booch / Rumbaugh / Jacobsen); development environment: Rational Rose, Finance-Framework UFS (Universal Finance Server), VisualWorks Smalltalk, SQL Server
 - design and realization of the following training courses in Germany, UK and USA:

- Smalltalk in connection with the Universal-Finance-Server UFS
- object-oriented analysis and design with OBA (Object Behavior Analysis) and RDD (Responsibility Driven Design) by using UML
- 01/1995 - 06/1997
employed by ParcPlace Systems GmbH (now Valtech) in Munich, Germany as a consultant and trainer
 - support in the design and implementation of a Warehouse Information System for a German automobile supplier; method used: OBA (Object Behavior Analysis); development environment: VisualWorks
 - coaching for the implementation of a Project Planning and Controlling System for a German automobile manufacturer; development environment: VisualSmalltalk
 - Different consulting support in the automobile- and finance industry.
 - *"Firefighting Support"* in design as well as in implementation
 - design and realization of the following training courses in Austria, Germany, Hungary, Switzerland, Slovenia, UK, and USA:
 - object-oriented concepts
 - Smalltalk for engineers, from basics to advanced
 - Smalltalk applications in the internet
- 05 - 12/1994
employed by BCI - Bank Consulting International GmbH in Munich, Germany as a system architect
 - design and implementation of a Risk-Management-System for German bank as a client/server solution; method used: OMT (Rumbaugh); development environment: Paradigm Plus, DialogBuilder (Graphical User Interface Builder), C++, Oracle, AIX
 - system analysis and implementation of an information system for German leasing companies; method used: OOA/D (Booch); development environment: Enfin-Smalltalk, Windows
- 05/1992 - 04/1994
employed by IN GmbH in Konstanz, Germany in the areas of training, engineering and consulting
 - development of a Hypertext System for a German computer manufacturer; development environment: TeleUSE (Graphical User Interface Builder), OSF/Motif, C++, AIX
 - design and implementation of a Support Tracking System; method used: OOA/OOD (Coad/Yourdan); development environment: ODBMS O₂, SunOS
 - design and implementation of a Simulation System for a Swiss power plant; method used: OOA/OOD (Coad/Yourdan); development environment: TeleUSE (Graphical User Interface Builder), ODBMS O₂, HP-UX
 - design and realization of the following training courses:
 - C++
 - object-oriented databases
 - X-Windows Systems and OSF/Motif programming

- 02 - 07/1991
during the study practical experience while working for Hanhart Comtech GmbH & Co. KG in VS-Schwenningen, Germany
 - system analysis (SA/SD) in the field of inhouse communication
 - developing of manuals for inhouse communication systems

- 02 - 09/1990
practical term at Metatech GmbH in St. Georgen, Germany
 - design and realization of a Management-Information-System as a client/server-solution for a computer manufacturer; development environment: Grit (Graphical User Interface Builder), C++, RDBMS Ingres, DOS
 - pilote installation and onsite customer support in London, UK and Vienna, Austria

Customers (excerpt)

- Adartis Leuven, Belgium
- BMW, Munich, Germany
- Bull, Frankfurt, Germany
- DaimlerChrysler, Stuttgart, Germany
- Deutsche Bank, Frankfurt, Germany
- DVAG, Frankfurt, Germany
- DVG, Hannover, Germany
- ESI (European Software Institute), Bilbao, Spain
- FinanzIT, Hannover, Germany
- HypoVereinsbank, Munich, Germany
- IBM, Böblingen, Germany
- ICW Heidelberg, Germany
- ILOG Paris, France
- Integris, Frankfurt, Germany
- LV 1871, Munich, Germany
- Marconi, Frankfurt, Germany
- Nokia, Espoo, Finland
- Oracle, Munich, Germany
- Siemens, Munich, Germany
- Siemens, Erlangen, Germany
- Siemens, Vienna, Austria
- SIGS-Datacom, Troisdorf, Germany
- UBS Zürich, Schweiz
- Valtech, Düsseldorf, Germany
- Valtech, London, UK

Publications and other Engagements

- Books:
 - “Agile Software Development in the Large – Diving into the Deep”, Dorset House, New York, 2004.
 - “Agile Softwareentwicklung im Großen – Ein Eintauchen in die Untiefen erfolgreicher Projekte”, dpunkt Verlag, Heidelberg, 2004.
 - More books, see <http://jeckstein.com/publications/books.html>
- Articles, talks, see <http://jeckstein.com/publications>
- Member of the following program committees:
 - JAX 2007, Conference for Java, Enterprise Architectures, and SOA (Germany)
 - JA00 2007: Conference on Java Technology and Software Engineering (Denmark)
 - Agile 2007, International Conference on Agile Methodologies (USA)
 - OOPSLA 2007: Conference on object-oriented Programming, Systems, Languages and Applications (USA)
 - SPA 2007: Conference for exchange of the latest ideas and practical skills in software architecture, design and development (UK)
 - XP 2007: Conference on XP and Flexible Processes in Software Engineering (Italy)
- Member of the board of the Agile Alliance Non Profit Organization. The organization, which supports agile development.
- Member of the IEEE Workgroup 1648, which defines recommendation practices for Establishing and Managing Software Development Efforts Using Agile Methods
- Certified Scrum Master

Education

- Product-Engineer (1988 – 1992)
 - university in Furtwangen, Germany
 - diploma as an engineer (1992)
 - diploma thesis:
development of a user interface for visualizing 2D-vektographic for a CAE-system; method used: OMT (Rumbaugh); development environment: InterViews (C++ Library), C++, SunOS
- bachelor of education (1983 – 1987)
 - pedagogical university in Kirchheim/Teck, Germany
 - diploma of teaching (1987)