IBM

Kolja Marius Krueckmeyer   Germany

Education

Qualifications	Master in Computer Science University of Luebeck, Germany Thesis Title: Comparison of the Struts framework and the Google Web Toolkit to implement a web application using the example of MarathonNet project, 2007
Languages	English — Very Good German — Fluent French — Basic

Professional experience

Profile

As a full-stack software developer and IT architect, I have over 12 years of experience in various clients engagements. I provide strong analytical and logical thinking skills as well as a conscientious and structured way of working. I offer deep knowledge in the design and implementation of system architectures and the development of web applications, Java, JEE, databases, front- and backend development and agile methodologies. Please see my assignment history for further details.

Key Skills

- Software engineering in Java and JEE
- Softwarearchitecture
- web development
- agile software development, test-driven development
- ScrumMaster PSM I
- analytical and logical thinking skills
- Industry knowledge: E-Commerce, Print Industry, Automotive
- microservices
- DevOps
- Continuous Integration/Delivery
- Kubernetes, Docker
- AWS
- Angular, TypeScript, JavaScript
- JPA/Hibernate, databases (DB2, Oracle, MySQL), SQL, MongoDB
- Application Server: JBoss/Wildfly,Tomcat, Websphere Portal Server
- Spring
- Apache Kafka

Key Courses and Training

- JEE development with JBoss - Basic knowledge
- JavaScript and AJAX - basic & advanced knowledge
- ScrumMaster PSM I
- various soft skill seminars
- Project Management Fundamentals
- Installation and Administration WebSphere Portal Server on Linux
- Architectural Thinking Course
- Watson Cognitive Bootcamp
- Machine Learning (University Stanford)
- further achievements: https://www.youracclaim.com/user/kolja-kruckmeyer

Career History

03/2014 - To date

IBM Deutschland GmbH, Germany

IT Specialist/Architect
IBM Software Group Services for Collaboration

01/2011 - 02/2014

Materna GmbH, Germany
Software developer
Development and consulting for a company in the field of e-commerce

08/2010 - 10/2010

Company in the field of IT services
Software developer and project leader
Development, maintenance and project management for various
web applications

02/2008 - 07/2010

Ferchau Engineering, Germany
Software developer
Development and consulting in various customer projects as a software developer and
project leader

Assignment History

05/2019 - To date
20 months

Phoenix Contact
Projekt CRISP
Project Description: Phoenix Contact is the global market leader and innovation leader in
of electrical engineering. With the CRISP project, the web store is being completely
redeveloped based on new cloud technologies.
As an architect and developer I am part of the Scrum team "Product", which deals with
presentation of the products in the webshop.
Position: IT Specialist/Architect
Contribution: I support the customer with the realization of the webshop in the cloud
environment. Therefore, I advise the customer in the creation and implementation of
architecture concepts as well as new technologies like Kafka, MongoDB or Spring Boot
and the introduction of DevOps approaches.

Examples of my contributions:
- Concept development and implementation of a system for the distribution of
configuration settings in the cloud environment
- Participation in the Architecture-Chapter
- Implementation of a translation management tool
- Generation of PDF files with iText
- Performance optimization in connection with Kafka and MongoDB

techn. environment:
Java 11, AWS, Spring, Kafka, MongoDB, Vue.js, Nuxt, Git, Gitlab, Maven, IntelliJ, REST,
JUnit, DevOps, Docker

04/2014 - 03/2019
60 months

Daimler
IT Architect for the Daimler MercedesMe project
Project Description: MercedesMe is a web portal based on the WebSphere Portal
Server.
This project helps the client to drive car connectivity to an extend that was never seen
before and could not be reached by competitors for years by implementing the solution

with cutting edge web technologies to attract the audiences of technophile people. End customers can view data of their vehicle online or they can invoke telematic services.

In the context of this project I was as a developer and IT architect in a Scrum team. Since 2016, I have been the lead architect for the conceptual design and operation of microservices in the DevOps approach.

Position: IT Architect

Contribution: Through my experience as a software architect and my broad knowledge in Java and Web development as well as WebSphere Portal Server, I supported the client in realizing its vision in the field of car connectivity.

As a fullstack developer, I worked on a wide variety of topics in the front- as well as the backend. In addition, I was responsible for the development and the operation of various interfaces based on the technologies Kubernetes, Docker, REST and Angular and took on the role of the lead architect for the topic DevOps with Mircoservices. As a certified ScrumMaster I advised the client in questions about agile software development. Furthermore in the role the supplier

product owner I was the first point of contact for the customer and for the development team.

Examples of further contributions:
• Concept development for a code modularization according to functional aspects
• Development and implementation of actions to increase the code quality
• Presentation and moderation of Sprint Reviews
• Assistance with job postings
• Development of proof-of-concepts using new web technologies
• Creating architectural diagrams to improve documentation
• Optimization of the build and deployment process
• Promoting a "Continuous Improvement" mentality
• Analysis and concepts to improve web security
• Improving Continuous Delivery

techn. env: Java 6, Java 8, JEE 6, JEE 7, WebSphere Portal V8/V9, JSR-286, WebSphere Application Server, DB2, EJB, JMS, JavaScript, TypeScript, HTML5, CSS3, JSP, JQuery, Git, Bitbucket, Maven, Gradle, RAD, RSA, Eclipse, JPA/Hibernate, JAXP, XML, JAXB, SAX, JDOM, WebServices, JAX-WS with SOAP, SOAPUI, Apache Axis, WebService Security, REST, Web Security, OWASP Top 10, Linux, Jira, Confluence, TestNG, Selenium with PageObject Pattern, Jenkins, Docker, Google Kubernetes, Wildfly, JUnit, Angular, Node.js, Nginx, Microservice Architecture, DevOps

Prior Experience	**06/2013 - 02/2014** 9 months	OTTO GmbH **SEO-STAR** Project Description: Development of a portal application for the analysis and reporting of SEO data. Contribution: Development and implementation of the system architecture, modeling class diagrams and processes, implementation, creation of unit-tests, performance tuning in terms of dealing with large amounts of data and efficient processing logic, installation of the infrastructure: creating and configuring OpenStack instances, Postgres databases, Liferay portal, Nginx, Jenkins jobs etc.; tech. env. : Java 6, JEE 6, Liferay-Portal-Server, Spring, XML, JAXB, JPA/Hibernate, PL/SQL, JSF/PrimeFaces, JUnit, MySQL, Postgres, Git, Ant, Maven, Openstack, CentOS 6
	01/2011 - 05/2013 29 months	OTTO GmbH **Support for development of the webshop** Project Description: Support for development of the webshop otto.de as part of daily business. Contribution: Analysis, maintenance and development of the webshop in collaboration with product management; techn. env.: Java 6, Intershop Enfinity, Spring, Oracle DB, JavaScript, Ajax, JQuery, JUnit, TestNG, XML, JAXB, JAX-WS with

SOAP, SOAPUI, Eclipse, Jenkins

02/2010 - 11/2010 10 months	IT service company **Set-up of the IT infrastructure, web application development** Project Description: The customer wanted support both in the set-up of the IT infrastructure and in the development of various web applications. Contribution: My fields of responsibility were varied. I was active both as a project leader and software developer. My tasks were in addition to setting up the IT infrastructure (Creation of instances in the data center, application servers and many more) the coordination of staff and the conceptual design and development of web applications (e.g. for managing address and customer data); techn. env.: Java, JEE, Eclipse, Java Server Pages, Java Server Faces, JavaScript, Google Webtoolkit, JUnit, TestNG, JPA/Hibernate, XML, JAX-WS, JBoss, SVN, Maven, Design Patterns, Visual Paradigm (UML Tool)
06/2008 - 11/2009 18 months	Ewert Ahrensburg Electronics (EAE) **V.I.P. (Visual Intelligent Plant)** Project Description: V.I.P. is software for control and management of a newspaper printing plant. The customer wanted comprehensive support in maintenance and development. Contribution: Software development, conceptual design, implementation of specifications, OOA / OOD, maintenance, testing, second-level support; techn. env.: Java, Java Swing, Java Applets, JMS, JDBC, Stored Procedures (SQL), MSSQL 2005, XML, XSLT, JDOM, JAXB, SAX, Ant, JBoss, Enterprise Java Beans (EJB 3), JPA/ Hibernate, Eclipse, CVS with MKS (Version control system)
02/2008 - 04/2008 3 months	Provider of travel expense accounting and travel management processes **TOPAS: Software for travel expense accounting** Project Description: Development of a Import-/Export-Moduls for travel expenses data Contribution: Conceptual design and development of an import/export module; tech. env.: Java, Eclipse, Java Swing, JUnit, SQL, Sybase, CVS

Other relevant information

Other job-related activities	During my studies I worked for many years as an assistant at the Institute of Mathematics at the University of Lübeck. I was an assistant for various mathematical lectures (analytics, probability and statistics, numerics, biomathematics) and led exercise groups.