

DI Martin Ehrnhöfer

Backend Java Developer

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MISSION STATEMENT

I am an experienced (10+ years) Java developer with focus on backend technologies.

As a requirements analyst, architect, developer, and technical lead I have contributed to many successful projects. I am also used to putting efforts in optimizing the development infrastructure and the build process, pushing it towards continuous delivery.

I am dedicated to Extreme Programming/Scrum, test-driven development, and clean code.

I use every opportunity to visit conferences, community events, and trainings - always eager to pick up and try out new trends and technologies.

TECHNICAL PROFICIENCIES

Programming Languages:

- ⇒ Sound knowledge and years of experience with core Java, the Spring ecosystem, and Java enterprise technologies like JMS, web services, REST services, etc.
- ⇒ Basic knowledge of scripting languages like JavaScript, Groovy, and Ruby.

Databases:

- ⇒ Sound knowledge and years of experience with JPA, Hibernate, SQL, and Oracle DB.
- ⇒ Basic knowledge of PostgreSQL, and MongoDB.

Build Engineering:

- ⇒ Sound knowledge and years of experience with Git, Subversion, Maven, and Ant.
- ⇒ Great experience in setting up continuous integration environments with Jenkins and supporting tools (like Nexus, Sonar, JaCoCo, PMD, etc.).
- ⇒ Basic knowledge of Gradle and Chef.

Frontend development:

- ⇒ Basic knowledge of JSP, Wicket, HTML5, JavaScript, and jQuery.

EDUCATION AND CERTIFICATIONS

- ⇒ Master of Science (MSc) in Computer Sciences at the Vienna University of Technology
- ⇒ *Certified Professional for Requirements Engineering* (IREB)

- ⇒ ITIL V3 certified (Foundation level)
- ⇒ *Sun Certified Programmer for the Java Platform, SE 6*
- ⇒ *Oracle Certified Professional, Java EE 5 Web Component Developer*

SKILLS MATRIX

	Level	Years experience	Last used
<i>Java APIs and Frameworks</i>			
Java SE	Expert	10+	2013
Servlet	Expert	10+	2013
Spring Framework	Expert	8	2013
JMS	Intermediate	7	2013
JMX	Intermediate	6	2013
AOP, AspectJ	Intermediate	5	2013
EJB	Intermediate	3	2009
REST services	Intermediate	2	2013
Groovy	Intermediate	2	2013
<i>Persistence and Databases</i>			
Hibernate	Expert	8	2013
SQL, JDBC	Intermediate	10+	2013
Oracle	Intermediate	10+	2012
JPA	Intermediate	3	2013
Spring Data	Intermediate	1	2013
PostgreSQL	Intermediate	1	2013
Querydsl	Intermediate	1	2013
MongoDB	Basic	1	2013
<i>Web Frontend Technologies</i>			
JSP, JSTL	Expert	9	2010
Struts	Expert	7	2010
Wicket	Basic	2	2013
HTML, CSS	Basic	-	2013
JavaScript	Basic	-	2013
jQuery	Basic	-	2013
<i>Version Control</i>			
CVS	Expert	5	2007
Subversion	Expert	4	2012
Git	Expert	2	2013
Atlassian Stash	Intermediate	1	2013
Atlassian Fisheye/Crucible	Intermediate	1	2013

SKILLS MATRIX (CONT'D)

	Level	Years experience	Last used
<i>Application Server</i>			
Apache Tomcat	Expert	7	2013
JBoss AS	Intermediate	2	2012
Oracle AS	Intermediate	2	2005
BEA WebLogic	Basic	2	2009
<i>Testing</i>			
JUnit	Expert	6	2013
TestNG	Expert	2	2012
Spock	Intermediate	1	2013
Mockito	Intermediate	3	2013
Selenium, Jeb	Basic	1	2012
<i>Build Engineering</i>			
Maven	Expert	6	2013
Jenkins (former: Hudson)	Expert	5	2013
Ant	Expert	5	2011
Nexus	Intermediate	5	2012
Sonar (now: SonarQube)	Intermediate	4	2013
Artifactory	Intermediate	1	2013
Gradle	Basic	-	2013
<i>Development Tools</i>			
Eclipse IDE	Expert	8	2012
IntelliJ IDEA	Intermediate	1	2013
Code analysis tools (FindBugs, PMD)	Intermediate	7	2013
Code coverage tools (JaCoCo, Cobertura, Clover)	Intermediate	4	2012
Vagrant	Intermediate	1	2013
Rational Software Architect	Basic	2	2012
Chef	Basic	1	2013

⇒ **Jumio Inc.**

05/2012 – 07/2013

Software developer and build engineer

Jumio is a startup company that provides payment services (using a webcam or mobile phone) and document recognition services.

The technology stack included a Java backend (a services-based architecture with Spring and JPA) backed up by PostgreSQL and MongoDB databases, a web client (Wicket, JavaScript, jQuery, Flash), Android- and iOS-Clients, a streaming server, and a proprietary OCR engine.

My job at Jumio was both backend software developer and build engineer. I introduced a Gitflow- and Maven-based release process and set up a distributed Jenkins infrastructure to orchestrate all build, testing, and deployment processes. I also established automated code quality control with Sonar and coached other developers in using such tools. As developer my main focus was to transform the current implementation from prototype status into a mature application.

Applied technologies (developer):

Java 7 SE, Groovy, Spring Framework, Tomcat 7, ActiveMQ, JPA, Hibernate, Spring Data JPA, Querydsl, PostgreSQL, MongoDB.

Applied technologies (build engineer):

Git, Maven, Jenkins, Artifactory, Sonar, Vagrant, Atlassian Stash, Fisheye, Crucible, Jira.

⇒ **ING-DiBa Direktbank Austria**

05/2010 – 04/2012

Software developer and build engineer for the core banking system

The ING-DiBa is Austria's biggest direct bank with more than 500.000 customers. In 2009, the ING-DiBa started to implement a banking software from scratch, which was launched successfully by the end of 2011. The new banking system covered all core banking processes (like bank account management, interest charging etc.), online banking applications for web and mobile clients, a call center application, and interfaces to other banks.

The technology stack included a Java SE backend (with Spring, JPA, and a business process engine) running on JBoss AS and Oracle DB, Wicket-based clients for online banking and the call center, and a mobile banking application implemented with jQuery Mobile. For implementing the domain logic we were using **MDSD**, based on a UML model maintained with Rational Software Architect.

At ING-DiBa, I was a member of the backend development team, implementing major parts of the savings and loans subsystems. I also introduced Maven, automated the build and release process, and improved the continuous integration platform.

Applied technologies (developer):

Java 6 SE, Spring Framework, JBoss AS, jBPM, JPA, Hibernate, Oracle 11, Rational Software Architect, TestNG, Selenium.

Applied technologies (build engineer):

Subversion, Maven, Ant, Jenkins, Nexus, Sonar.

⇒ Vienna International Airport**09/2005 – 02/2010****Technical lead and software developer on the “Weight & Balance” project**

The Vienna International Airport provides “handling services” to airlines. One of these services is controlling the load of aircrafts. The project “Weight & Balance” was initiated in 2005 to replace the existing load control software (which was running on an old Bull mainframe system). Weight & Balance took about 10 man-years of development and was successfully launched in 2009.

The technology stack consisted of Spring and Hibernate at the backend, Struts and JSP at the frontend, Oracle 11, and Tomcat 6.

As technical lead I was involved in the requirements analysis, technical design, implementation, and launching phase of the project. Furthermore I introduced Subversion, Maven, and continuous integration for the whole airport application development unit.

Applied technologies:

Java SE 6 (replacing 1.4), Spring Framework, Tomcat 6 (replacing BEA WebLogic), Struts, JSP, Hibernate, Oracle 11, Oracle AQ, JUnit, Watir, Maven, Ant, Subversion, CVS, CruiseControl, Hudson, Sonar.

⇒ ai informatics**02/2001 – 08/2005****IT consultant at A1 Telekom (former Mobikom Austria), 2002–2005**

I was the lead developer of an online shop for mobile phones (“A1 Online Shop”) as well as a reseller platform, both based on the “Intershop Enfinity” ecommerce framework. Key point was the integration with the existing IT infrastructure, like the ERP system and the billing system.

My technology stack included Java SE 1.4, EJB 1.1, JSP, and Oracle 9i.

Software developer on the “e-geodata Austria” project, 2004–2005

I was in the team that developed a system for selling cartographic data by the “Bundesamt für Eich- und Vermessungswesen”. This system consisted of two parts: a web application for viewing and ordering, and a GIS that produced the ordered files or physical maps.

My technology stack included Java SE 1.4, EJB 2.0, Struts, JSP, Oracle 10g, and Oracle AS 10g.

Developer and IT consultant on the “Büro Handel Onlineshop” project, 2002–2004

I was in the team that developed and integrated a B2B/B2C online shop for office supplies based on the “Intershop Enfinity” ecommerce framework.

My technology stack included Java SE 1.4, EJB 1.1, JSP, and Oracle 8i.

Software developer on the “ProNet” project, 2001–2002

As a developer I maintained and extended the procurement platform for the VA Tech group.

My technology stack included Java SE 1.2, Servlets, and Oracle 8.