

Marko Krajnc

Senior Full-Stack Java Developer / Software Architect

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Summary

Skilled software engineer and consultant with broad experience in various industries, focusing primarily on IT projects and Java-related technologies for large businesses. **Have worked for two of the largest Swiss banks (UBS and Credit Suisse), the largest Swiss insurance company (Swisslife, Zurich) and Swiss telecom (Swisscom, Bern).**

Languages

- Fluent in English, German, Slovenian, Croatian, Serbian

Skills

- Full-Stack, Web Development, Frontend, Backend, Reporting, Business Intelligence
- Teamwork, Mentoring, Leadership, Analytical Skills, Decision Making
- Scrum, Agile, Test-Driven Development (TDD), Continuous Integration & Delivery (CI/CD)
- Object-Oriented Analysis, Design and Programming (OOAD, OOD, OOP)
- Java (since 1996), Java EE/J2EE/EJB, J2SE, Spring Framework, Spring Boot
- JavaScript, HTML/HTML5, CSS/CSS3, XML, JSON, REST, Python, PHP, Perl, Groovy, Bash
- IntelliJ IDEA, Eclipse/IBM WebSphere, NetBeans, Git, Subversion (SVN), Mercurial (Hg), Maven, Gradle, Ant
- Google Web Toolkit (GWT), Spring MVC, JSP, JavaServer Faces (JSF), Standard Widget Toolkit (SWT), Swing
- SQL, Oracle (since 2001), DB2 (since 2000), SQL Server, Sybase, PostgreSQL (since 2003), MySQL, H2
- JBoss, Apache Tomcat, Jetty, Apache HTTP Server, Nginx, WordPress, JIRA, GitLab, GitHub, Jenkins, Artifactory, Nexus
- JPA, Hibernate, JUnit, Mockito, Web Services, SOAP, Android, Mobile Apps
- Hybris, Docker, Docker Compose, Containers, RaspberryPi, Embedded, JasperReports
- Microsoft Office (Word, Excel, PowerPoint, Outlook, Visio, Project), Google Docs, LibreOffice, OpenOffice, Lotus Notes
- Windows, Linux (Red Hat/RHEL, Ubuntu, Debian, Raspberry Pi OS/Raspbian, Alpine), Unix (Solaris, AIX), FreeBSD



Positions

- Software Architect, Software Developer
- IT Consultant, Project Manager

Industries

- Banking, Insurance, Telecommunications
- Government and Public Sector

Experience (Selection)

(References available upon request)

- 06/2022 – 12/2023 **Eurodata / ETL Gruppe (Germany's leading tax consulting group)**
Software Developer (Saarbrücken, Deutschland)
- Designed and developed several parts of the accounting system (edRewe).
 - Test code coverage increased by more than 40% (Branch Coverage).
 - Developed hundreds of automated tests and UI tests.
 - Environment: Eclipse, Java, Spring/Spring Boot, Swing, JPA, Hibernate, PostgreSQL, JUnit, Mockito, JasperReports, Sferyx HTML Editor, Maven, Git, JIRA, Jenkins, Nexus, GitLab, Elastic Search, SonarQube, Scrum, CI, Windows, production: Windows, macOS/Mac OS X, Linux.
- 02/2018 – 12/2021 **Deutsche Zentralgenossenschaft Bank (DZ Bank)**
Software Developer, Software Architect (Frankfurt, Germany)
- Designed and developed several parts of the Profit & Loss Analyser application (P&L Analyser, PLA).
 - Optimized performance of processing several hundred million records per day (BigData, OLAP).
 - Successfully migrated highly customized JasperReports Server application to the latest version.
 - Environment: IntelliJ IDEA, Eclipse, Java, Java EE/EJB, Spring/Spring Boot, Spring Batch, JPA, Hibernate, JUnit, Mockito, JBoss, Apache Ignite, JasperReports Server, JavaScript, Groovy, Python, Bash, Sybase, Oracle, Maven, Git, Mercurial, Jenkins, Artifactory, Nexus, Splunk, SonarQube; production: Windows, Linux, Solaris.
- 03/2014 – 04/2015 **Stadtwerke München**
Software Developer (Munich, Germany)
- Extended existing iPad application with several functions (mobile process support during operation and maintenance, MBI/MIA). Extended existing SWM application generator with Bootstrap 3.
 - Environment: IntelliJ IDEA, Eclipse, Java, GWT, PhoneGap, SAP, Windows; production: iOS, Linux.

[Within hours I can create a complete prototype application using any of these technologies: Java, JavaScript, Spring MVC, SWT, Swing, Oracle, DB2, SQL Server, PostgreSQL, MySQL, Maven, Gradle!](#)

- 04/2012 – 12/2013 **Bausparkasse Schwäbisch Hall**
Software Developer, Software Architect (Schwäbisch Hall, Germany)
- Designed and developed a web-based process inventory system as a lead developer.
 - Environment: Eclipse, Java, Maven, GWT, UiBinder, AJAX, MVP, Spring Framework, JPA, Hibernate, Oracle, H2 Database, Jira, HP QC, HP ALM, Lotus Notes, Windows; production: Linux.
- 12/2005 – 07/2008 **Nova Ljubljanska banka / Gorenjska banka / Banka Celje / KBC**
Software Architect, IT Consultant (Ljubljana, Slovenia / Brussels, Belgium)
- Designed several parts of a new Front End Application including EURO support, multibanking support, term deposits and savings, black lists, migrations of special order payments for the largest bank in Slovenia.
 - Environment: IBM WebSphere, Java, JSP, CICS, Cobol, DB2, Microsoft Visio, Microsoft Project, UML, ERwin, HTML, XML, Windows XP; production: Unix, Solaris, Sun OS, IBM Mainframe, OS/400.
- 03/2004 – 11/2005 **Slovenian Government / SRC.SI**
Software Architect, Software Developer (Maribor / Ljubljana, Slovenia)
- Designed the core of the national car registration system (for 1.5 million cars) (IBM WebSphere, Oracle).
 - Applied EU guidelines to the information system; Environment: IBM WebSphere, Java, JSP, EJB, XML, UML, Oracle, SQL, TOAD, Windows XP, Lotus Notes; production: IBM Mainframe Z/OS.
- 01/2002 – 01/2003 **Swisscom**
Software Developer (Bern, Switzerland)
- Developed several features and upgrades in the existing strategic application for Swiss telecom provider.
 - Environment: Java, JBuilder, NetBeans, JSP, RMI, XML, J2EE, JBoss, Tomcat, UML, Oracle, SQL, TOAD, Windows NT; production: Unix, Linux.
- 03/2001 – 12/2001 **Swiss Life (Rentenanstalt) / Thales IS / Sigma**
Software Developer, Software Architect (Zurich, Switzerland)
- Implemented several features and upgrades in the existing system for the largest Swiss insurance company using Smalltalk; designed and developed a testing system in Java.
 - Environment: Smalltalk, VisualAge for Smalltalk, VisualAge for Java, AWT, Swing, XML, UML, Oracle, SQL, CORBA, UML, VisiBroker, LiveLink, ENVY, TestDirector, Rational Rose, Windows NT, Unix, AIX.
- 11/2000 – 02/2001 **UBS / Credit Suisse / Sigma iFace**
Software Architect, Software Developer, Software Mentor (Maribor, Slovenia / Olten, Switzerland)
- Developed a web-based reporting system for major Swiss banks.
 - Designed and developed an application for insurance agencies in Smalltalk.
 - Environment: Smalltalk, VisualAge for Smalltalk, DB2/UDB, SQL, UML, HTML Frontend, Windows NT/2000.

Education

- 10/1993 – 06/1999 **Technical University Graz – Master of Science (B.Sc.+M.Sc.) (Graz, Austria)**
- Masters Degree in Telecommunications and Computer Science **with honors**.
 - Master thesis in software architectures.
- 09/1989 – 06/1993 **II. Gymnasium Maribor – High School (Maribor, Slovenia)**
- **Bronze medal** at the 34. Mathematical Olympics in Istanbul, Turkey.
 - Won several awards at national and international competitions including mathematics, physics, chess, computer science and research.
- 09/1981 – 06/1989 **Primary School of Malečnik (Malečnik, Slovenia)**
- Won several prizes and awards at regional and national competitions including mathematics, physics, chess, computer science, research, logic and construction.

Miscellaneous

- Held speeches and led workshops on several conferences including OTS and ELAG.
- Visited several conferences across the USA and Europe (GWT.Create, OOPSLA, JMLC, NT Conference).
- Hybris Training (1 week in November 2011, 1 week in November 2017, 1 week in December 2017).
- Microsoft invited me to work for them in 1998 (at their headquarters in Redmond, USA).

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