Mrzljak Osman

Curriculum Vitae

Author: Osman Mrzljak
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Personal

Name:	O. (Osman) Mrzljak
Place of residence:	Almelo, Netherlands
Birth date:	*- *- 1975
Nationality:	Dutch
Civil status:	Married
Foreign languages:	English, Bosnia
Title:	Software Architect

Education

Education:	Master of Science, Information and Communication Technology - HIO Enschede
Certification and Training:	MBA in One day - seminar
	Prince 2 Fundamentals, ISES
	Enterprise Integration & Service Oriented Architectures – Master class, CIBIT
	Implementing Rational Unified Process (Rational University)
	Inleiding verzekeringsbedrijf (Stichting Examens Assurantiebedrijf)
	Rational ClearCase Fundamentals (Rational)
	UML, Object oriented analysis & design (CBIT) Requirement Management with Use Cases (Rational)
	Communication in projects (Kimeru Decision Strategies)

Overview

I'm more of a "hands-on" technical architect in that my role includes aspects of application architecture, software design and development, with my key technology skill set being Java, Service Oriented Architectures and mobile application development.

I am generalizing specialist with experience knowledge of whole Enterprise application environment:
- Frontend (mobile and web) development using Javascript, HTML5, css en frameworks like AngularJS, Bootstrap, Fundation and Ionic.
- Enterprise service in RESTful and SOAP fashion. Knowledge of API development and API management,
- Backend systems running on IBM AIX, Mainframe and IBM Webshere application server.

With my strong knowledge of performance and application security, I can advise and help organization defining and implementing right architecture and design for B2C and B2B (mobile) applications. I help organizations with finding and fixing security and performance problems in frontend (mobile) application, network traffic and in integration gateways.

Experience

Experience in years

Programming:	18
Analysis and design:	8
Team leader/coaching:	10
Architecture:	8

Product experience

Programming languages:	JAVA (> 15 jaar), J2EE, Android JavaScript, HTML5 CSS (> 10 jaar) Web development: HTML5, CSS, JavaScript, REST, C# .NET (1 jaar), Android SDK (1 jaar) C++ Phyton, Bash
Middleware:	JBoss 4, 5, 6 (4 jaar) Red Hat JBoss Enterprise Application Platform EAP 6, EAP 7 WebSphere (4 jaar), Websphere Message Broker (2 jaar),Websphere Process Server (1 jaar), WebLogic (3 jaar), Apache http/Tomcat, IBM Datapower, SAP Netweaver PO, WSO2 ESB
Tools:	Foundation, Ionic, AngularJS Bootstrap, Cordova, PhoneGap (5 jaar) IntelliJ 12+, 2017, Webstorm Eclipse 2.x en 3.x, JBuilder 4, 5, 6, 7, WSAD, Rational Suite Developer Studio, Rational XDE, ClearCase, CVS, Git, Subversion, Jira, Redmine Ant, Maven , Gradle, Grunt, Bower, Jenkins, Docker, Vagrant, Cucumber FOP, XSLT, Spring, Splunk AngularJS, jQuery, Ionic, NodeJS, NewRelic, Fiddler, Wireshark jRebel, jackrabbit ArchieMate, BizzDesign Architect
Development process	Scrum Rational Unified Process, Object Oriented Design (UML), Agile Development (eXtreme Programming),, Rational UCCM, Informatie analyse (NIAM), Togaf, Archimed
Computer / operating systems:	Windows (15 year), Unix (6 year), z/OS (2 year), Linux (4 year),
Databases:	PostgreSQL 9 (ook 8) MongoDB Microsoft SQL Server 2000 (2 jaar), DB2 7 en 8 (3 jaar), Oracle 6 and 7.1 (SQL*Plus, PL/SQL, 2 jaar), MySQL (2 jaar)

Projects

Period	April 2020 –
Company	Dutch Tax Authorities
Position	Software Architect
Activities	Architecture and design of high transaction payment application in Java EE running on IBM WAS 9.* on z/OS.

Design and implantation of:
- Asynchronous batch processing.
- Database design on DB2 on z/os for large and fast storage, data archiving, etc.
- Implementation of maintenance application (web based, angular frontend) and flow controls (java standalone spring-boot).
- Implementation of CI-CD pipelines in Jenkins,

Tools/platforms: IBM Websphere Application Server (WAS 9*), Java 8, Angluar, Spring, Open JPA, Jenkins, IntelliJ, etc

Period	January 2020 - April 2020
Company	Health and Social care organization
Position	Software Architect
Activities	Design and architecture of Enterprise Service Bus, Web Service definition and API needed for system integration using data standards in health (FHIR, HL7, IHE, SOAP, REST).

Tools/platforms: Intersystems Iris for Health, Java 8, Wicket,

Period	June 2017 - January 2020
Company	Dutch Tax Authorities
Position	Software Architect
Activities	Design and development of high transaction application in Java EE running on IBM WAS 8.5.* on z/OS.

Performance engineering: performance testplan, execution, analysis and tuning.

Tools/platforms: IBM Websphere Application Server (WAS 8.5.*), Java 8, Wicket,

Period	December 2015 – June 2017
Company	Ministry of Economic Affairs, Piano
Position	Senior Software Developer
Activities	Migration from jboss 4 to EAP 7 and development of www.tenderned.nl . Using SCRUM methodology and Jira tools in multiple teams tenerned application will be migrated to EAP7.

I worked on adoption of automated testing and usage of Cucumber test tool. To simplify runtime environment we used Docker and Vagrant for managing Development Tools.

Worked on migration and enhancement of most mission critical system parts jackrabbit (document management system), hibernate 4 (persistency), jBeret (batch processing), encryption en asynchronous processing, Lucene Tekst Based Search.

Tools: jBoss4, EAP 6, EAP 7, Undertow, Cucumber, Maven, IntelliJ, jRebel, Jira, Bitbucket, jMeter, Angular JS.

Period	January 2015 – December 2015
Company	Wageningen University (WUR)
Position	Lead integration developer
Activities	Enablement of WSO2 ESB and WSO2 API Manager into Enterprise of WUR. Defining development guidelines for REST API's. Development of REST API's, JSON/SOAP proxy services and publish / subscribe interfaces on wso2 ESB need to integrate ITEducation (Student management system based on SAP) into WUR landscape. My role is team lead / scrum master of a team of +/- 10 developers. Used techniques : Java EE 7, wso2 esb, wso2 api manager, maven,

ecplise, git, jenkins, SoapUI,.

Period	Augustus 2014 – January 2015
Company	G-Start RAW c.v.
Position	Lead developer
Activities	Development and re-design of e-commerce web application for mobile (m.g-star.com) . Investigating performance issues and optimizing java and javascript code. Developing features: "suggested search", integration with Adyen Payment Gateway, Tridion and Fredhopper. Optimizing build scripts. Writing automated test cases with Selenium. Used techniques : Java EE 7, Tomcat 7, Maven, Stripesframework, Javascript, jQuery, SoapUI, Fiddler.
Activities	Design and development of Jogat Weather hybrid mobile application, available for download in Play Store (Android) and App Store (ios, iphone). Jogat Weather frontend built with HTML5, Cordova, PhoneGap, AngularJS, ionicfreamwork, Require. Backend developed with NodeJS, MongoDB and apache http server.
Period	September 2013 – May 2014.
Company	Achmea
Position	FBTO.nl mobile first - Web service designer
Activities	Design of a service layer tuned for mobile devices used in FBTO.nl health insurance portal. Services for premium calculation, policy, claim and business partner. Tools: SOAP, REST, XML, Websphere Message Broker 7
Period	July 2013 - September 2013
Company	Insurance company
Position	Web Application Architect
Activities	Design and development of .NET MVC Facebook web application that predicts the user's traits by comparing his/her facebook likes against collected data of a representative population.
Period	May 2013 - July 2013
Company	Achmea
Position	Integration Architect
Activities	Design and development of SEPA IBAN Enterprise Web Service for payment and mandate administration on SAP PO. Integration of Legacy systems running on ClearPath.
Period	August 2007 – Augustus 2014
Company	Dutch Insurance Company (in top 5)
Position	EAI Architect
Activities	Interim position EAI (Enterprise Application Integration) Architect at business unit responsible for all EAI solutions for this company. Company wide we are implementing ESB (Enterprise Service Bus) paradigm and design patterns as a part of an Service Oriented Architecture. Company has adopted IBM IAA as a basis of ICT Architecture. ESB spans over two platforms .NET en IBM Websphere on Java.

EAI architect is responsible for:
- Development of EAI design patterns
- Help to Business Projects which are using ESB as webservice platform.
- Review of developed EAI solutions,
- Co-leader of EAI Community Of Practice

In this period we worked on:
- Company wide message format based on and as extension of webservice standards.
- WS-I Basic Profile 1.0.
- ESB Design patterns.
- Implementation guidelines for webservices using Websphere Message Broker 6.
- Design best practices for Business Process Orchestration using BPEL on Websphere Process Server.

Period	September 2007 – Present
Company	5Hart
Position	Java 5 teacher
Activities	I have developed The "Java 5 New features" workshop. I teach this course at 5hart. See www.vijfhart.nl

Period	May 2006 – August 2007
Company	Achmea Active
Position	Senior J2EE Developer
Activities	Enabling multi-label features in a large J2EE Component based service architecture. Some software components should be refactored according to reference architecture and company standards. Design and development of new features and design patterns for xml parsing, error handling, build process, etc. We are also coaching junior Java developers at work. Tools: JBuilder, Eclipse 3.1, WebLogic, DB2, Castor, XMLSpy, Ant, ClearCase, Rational Rose, etc.

Period	January 2006 – Mart 2006 (part-time)
Company	Be-value
Position	Docent Java 5
Activities	Development of a Java 5 workshop for a team of 15 java developers. The goal of this course is to highlight Java 5 and EJB 3.0 aspects by a combination of theoretical and practical lessons. Workshop duration is 2 days. Tools: JBoss 4, Eclipse 3.1, JBoss IDE, ANT, MySQL,

Period	Mart 2005 – May 2006
Company	(Dutch tax authority) Belastingdienst.nl
Position	Technical Architect/Designer
Activities	For project "Toeslagen" we are developing a J2EE based administration system. The application mostly integrates existing and legacy application written in various languages. My function is team leader of a team existing of 10-15 developers including coaching and planning. Definition of Development directives and standards. Source code review. I am also responsible for non-functional requirements and Performance engineering plan. Techniques: J2EE, MQ, CICS, XML, SQLJ,. Development Process: RUP Operating Systems: UNIX AIX, z/OS. Tools: WSAD, WAS, PMD, Ant, JACL, Struts, WAF, Rational Suite Development Studio, JMeter, JProfile.

Period	January 2005 – February 2005
Company	Be-value
Position	Senior J2EE Developer
Activities	In very short time we have to implement various non-functional requirements to Be-informed platform including: transaction support, security, scalability, batch processing and performance management. Be-informed is a platform developed by Be-value, which makes it easy to develop and maintain knowledge based applications. Techniques: J2EE, JBoss 3.2, Design Patterns. Tools: Eclipse, Cocoon 2, Hibernate, Ant, MySQL.

Period	September 2004 – 2005
Company	(Dutch tax authority) Belastingdienst.nl
Position	Technical Architect/Designer
Activities	Primary responsibility for leading architecture, design, and implementation of the front-end web application using Java and J2EE to integrate legacy Cobol based systems and new written workflow system. Hands-on responsibilities included architecture, design, and implementation of the core J2EE frameworks and sub-systems, applying and identifying patterns and best practices. Mentored team members on Java/J2EE, architecture, design, patterns and best practices. Techniques: J2EE, MQ, Design Patterns. Development process: Rational Unified Process Tools: IBM Websphere SAD, WAS, PMD, Ant, Struts, WAF, Rational Suite Development Studio.

Period	April 2004 – September 2004
Company	Ordina Application Management
Position	J2EE Coach
Activities	Mentored team of junior Java programmer on Java/J2EE aspects. Primary tasks include coaching less experienced staff members by training on the job and ensuring adherence to departmental design and coding standards and practices.
	Tools: MyEclipse, JBoss, Tomcat, CVS, MySql, SQL Server, Hibernate.

Period	November 2003 – April 2004
Company	Ordina Finance – Achmea
Position	Architect/Developer
Activities	Verzuimmanager OnLine – Web based application for staff absence management according to Dutch law introduced in 2004 (Wet Verbetering Poortwachter (WVP).
	Designed, developed and implemented web based J2EE application, defined performance engineering and hosting infrastructure. Most of the used development tools and frameworks are from open source projects. Application is licensed under ASP license.
	Tools: Eclipse, Ant, SVC, CruiseControle, JMeter, JBoss, Hibernate, PMD, JDTS.

Period	October 2003 – December 2003
Company	CZ
Position	Architect
Activities	Defined Software Configuration Management (SCM) standards and guidelines based on Unified Configuration and Change Management (UCCM) of Rational.
	Developed integration tools for UCM and Java Component Based projects. Mentored implementation of UCM by other projects
	Techniques: UCCM, Java, design patterns.
	Development process: Rational Unified Process
	Tools: WSAD, WAS, Ant, ClearCase, Rational XDE, Rational RAS

Period	Augustus – November 2003
Company	Fortis/ASR via Ordina Finance Business Solutions
Position	Software Engineer
Activities	Development of a workflow framework in C++. Existing solutions Staffware workflow does not fulfill requirements in the new architecture and will be replaced with this lightweight solution.
	Techniques: C++, SQL, Software generation tool, Process modeling.
	Development Process: XP
	Tools: TOAD, C++ Builder
	Database: Oracle

Period	June 2003 – July 2003
Company	Delta Lloyd via Ordina Finance Business Solutions
Position	Software developer/designer
Activities	Design en development of print box for a web-based application based on cocoon framework. Print box translates XML domain data to PDF documents according to user preferences for look and feel.
	Techniques: Cocoon, JSP/Servlet, FOP, Velocity, XSLT, XML
	Development Process: XP
	Tools: Eclipse 2.0, Jetty servlet container, IBM WAS, ANT, CVS, etc.
	Database: MySql, DB2, Mainframe, z/OS

Period	January 2003 – May 2003
Company	Achmea ICT via Ordina Finance Business Solutions
Position	Senior Consultant, Technical Project leader
Activities	Led short project with goal to define and develop solution for automated testing in Component Based Architecture. Automated Testing of software inside of a CBA, developed in an iterative development process is very dependent of software configuration changes. Distributed components developed by various projects, are not under control of test team.
	Techniques: J2EE, JUnit, JMS, UML, UCM, XML, XSLT
	Tools: JavaNCSS, ANT, JBuilder, Rational Rose Enterprise Edition, ClearCase, ClearQuest, Rational Test Manager, etc.
	Database: DB2, Mainframe

Period	2001 – 2002
Company	Achmea, Centraal Beheer Particulieren via Ordina Finance Business Solutions
Position	Software engineer
Activities	For an assurance company we are developing java components which will use application integration tier. I have fulfilled my roll of Configuration Manager using Rational ClearCase UCM. I have mentored developers and testers in using Change/Configuration Management. Techniques: J2EE, JAXB, JMS, Log4J, JUnit, IBM MQ series, BAI, UML, UCM (Unified Configuration Management), Struts, XML, XSLT Development process: BAI en RUP. Tools: JBuilder 5, Rational Rose Enterprise Edition, ClearCase, ClearCase integration met ANT. Database: DB2, Mainframe.
Period	2000-2001
Company	OVSoftware b.v, Gronau Duitsland
Position	Software engineer
Activities	Design of Java Persistency Layer for large bank in Germany. Persistency Layers consist of run-time framework, OO- RDBMS mapping tool and diagnostic tools. Techniques: Java, XML, JDBC, Informix Dynamic Server, CORBA, SQL, Mapping patterns, RUP design and UML.
Period	2000
Company	OVSoftware b.v Oldenzaal
Position	Software engineer
Activities	Development of web based savings administration system. Techniques: Java, Oracle database server, IP, iPlanet web server, SQL.