

## **Marcelo Sousa Ancelmo**

Brazilian / Portuguese, Married, 34 years old

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## **Summary**

Enterprise Architect, Consultant, Speaker and Trainer with 12 years of professional experience. Excellent communication and presentation skills, being able to speak to both technical and business audience. Experience on leadership of high skilled teams and on mission critical assignments, with an ability to influence and mentor the team and capable of developing compelling business solutions to meet customers strategic needs.

Areas of expertise include the architecture, design, development, build, test and deployment of enterprise distributed applications with vast experience on strategy definition, selection, positioning, best practices, usage model definition and deployment of software development process and tools for architecture, design, construction of software, ALM and DevOps.

Strong actuation as a consultant on middleware environments based on WebSphere, JBoss, Tomcat and Weblogic capable to define strategy for installation, optimized configuration, administration best practices and automation, deployment automation, topology design, and as a best practices mentor on troubleshooting, performance analysis and performance tuning.

Experienced trainer, with more than 800h of high skilled training delivered. Main topics taught include Service Oriented Architecture, Software Architecture, Java Development, Java Web Development, Web Services Development, EJB Development, JPA, ORM, XML, WebSphere Administration, WebSphere Portal Administration and JBoss Administration.

Strong community presence and actuation, being coordinator of Distrito Federal Java User Group (DFJUG), leader of Distrito Federal WebSphere User Group (DFWUG) and leader of Brasília Rational User Group (BSBRUG).

## **Skills**

Java, Java EE, EJB, JPA, JMS, JSF, XML and related technologies, Web Services (WS-\* and REST), API, SCA, DevOps, Continuous Integration, Continuous Delivery, Continuous Deployment, Release Management, ALM, Change Management, Unit Testing, Integration Testing, Security Testing, Performance Testing, BPM, BRMS, Rule Engine, SOA, OOA/D, UML, MDA, MDD, DDD, ORM, Java Application Server, Message Oriented Middleware, ESB, Enterprise Portal, Solution Architecture, System Integration, EIP, Design Patterns (J2EE and GOF), Software Architecture, RUP, XP, Scrum, Agile Methodologies, TDD, Enterprise Architecture, TOGAF, Troubleshooting, APM, Performance Analysis, Performance Tuning, Shell Script, Linux, Unix and Windows

## Speaking Assignments

**Case Study: Implementing a DevOps Environment at Banco do Brasil** – IBM Innovate 2013 – Orlando, USA

**100 years of development** – TDC GYN 2012 – Goiania, GO, Brasil

**Agile and DevOps for Services: Practices, Techniques, and Tools for Your SOA Environment** – 5th Service Technology Symposium 2012 – London, England

**DevOps for your Services: making your SOA agile** – IBM Impact 2012 – Las Vegas, USA

**How a Brazilian Bank used Static Analysis Security Testing to improve the process of software development** – IBM Innovate 2011 – Orlando, USA

**Java Persistence with JPA 2.0** – Java x .NET 2009 – Brasília, DF, Brasil

**How to pass on certifications** – DFJUG 2008 – Brasília, DF, Brasil

**Certifications of the Java World** – JavaComBr 2007 – Brasília, DF, Brasil

## Experience

**July 2010 – Present Time**

**IBM – Senior IT Specialist**

Client Technical Specialist at Rational Software Group, acting as a consultant and client advisor for strategy definition, software architecture, software modeling, process definition, software development, application lifecycle management, code quality analysis, code security analysis, build automation, deployment automation and release management.

Service delivery and pre-sales activities for Enterprise Architecture, Software Architecture, Software Development, Software Definitive Library, Software Quality Analysis, Software Security Analysis, ALM and DevOps.

Subject Matter Expert on Rational System Architect, Rational Software Architect, Rational Software Architect Design Manager, Rational Application Developer, Rational Asset Manager, Rational Build Forge, Rational Automation Framework, UrbanCode Deploy, UrbanCode Release, Rational Software Analyzer and Rational AppScan Family.

Main engagements:

- Responsible for the establishment, definition and conduction of DevOps strategy and technical leadership of the ALM project of Banco do Brasil, one of the largest Brazilians Bank and one of the largest Rational projects in the world. The project main goal was to modernize and automate the software development process of Banco do Brasil by establishing an agile and collaborative environment enabling end-to-end traceability and changing some open source and homegrown tools for a fully integrated stack. Structured and deployed a Build Pipeline and Deployment Pipeline supported by a Software Definitive Library using Rational Build Forge, Apache ANT, Apache Maven, SonarQube and Rational Asset Manager with all executions tracked by Rational Team Concert. This environment enabled a full traceability of code construction and deployment, allowing transparency and facilitating the communication between everyone involved on the software delivery process. Currently having around 500 constructions each week for 200 projects, it was structured to enable that new projects could quickly use this infrastructure without being intrusive, those new projects can go from nowhere to production in a couple of hours.

**October 2009 – July 2010****Independent Consultant**

Independent Consultant, working on the enablement and establishment of DevOps culture, process and tools on clients focusing on communication, collaboration and information transparency. Also acting as leader developer in projects focused on SOA, BPM and Java EE. Principal areas of actuation included strategy definition, training delivery, team mentoring, architecture definition, software delivery automation, deployment planning, deployment automation, performance testing, delivery of SOA projects, establishment of SOA's CoE, middleware topology planning and performance tuning for Java EE and Enterprise Portal projects.

**Main engagements:**

- Architecture definition, project leadership and implementation of a chat application using Java EE 5 (Running on WebSphere AS and Weblogic AS), JSF, Hibernate, SGBD DB2 and IBM Sametime to be the communication infrastructure for one of the largest public bank in Brazil. This application was designed to interact between different networks (Internet and Intranet) allowing the communication between clients, call center operators, managers and bank employees (Nearly 5,000 people). The different channels of communication were dynamically configured and created using Drools rules engine. To support this development, we used Maven and Subversion.
- Strategy, architecture definition and leader developer for a software transformation machine using Reflection techniques, Apache Velocity, Groovy, StAX, Xstream, Hibernate and MySQL, to migrate legacy's applications that were based on an outdated framework, to a new internal development model based on a MDA and MDD paradigm in one of the top 20 banks in the world. This project was stuck for about 2 years and we delivered a fully working prototype in 3 months.

**September 2007 – October 2009****GPS / Mob-up I.T. – Chief Architect**

Chief architect for SOA, BPM and Java EE projects, responsible for the areas of consulting, training and solutions development. Development of POC's, POT's and architectural solutions for clients focused on the IBM WebSphere, IBM BPM and IBM SOA solutions.

**Main Engagements:**

- Lead Architect for the RV8 project, focused on the development of a decision framework based on the use of Drools rules engine exposed as an SaaS or integrated on a PaaS with BPM and SOA stacks from IBM (WebSphere Application Server, WebSphere Process Server, WebSphere Integration Developer and Rational Software Architect) and Oracle (Oracle Weblogic Server, Oracle BPEL Process Manager and Oracle Jdeveloper). The framework was developed using JSF, EJB, JPA and Hibernate exposing the services as an API, SCA, SOAP and REST endpoints with a massive use of Design Patterns. The development followed Scrum and XP practices, supported by a change management, continuous integration, continuous delivery and release management environment build using Redmine, Maven, Jenkins and Subversion.

**May 2007 – August 2007****Summa Technologies – Solutions Architect**

Member of the architectural team for the project of the enterprise portal of Banco do Brasil (Brazil's Federal Bank) responsible for the evaluation and redefinition of the solution architecture, portlets and portal applications. Analysis and auditing of source code to identify bottlenecks, suggesting the use of Design Patterns and coding best practices. Definition, installation and configuration of an agile environment for change management, continuous integration and release management using Maven, Continuum, Subversion and Trac.

**December 2006 – August 2007****Vertigo Computação – Java EE Consultant**

Working on installation, configuration, topology planning, tuning, troubleshooting and training for WebSphere AS environments. Installation, configuration, performance analysis, application monitoring and training on APM using IBM Tivoli Composite Application Manager for WebSphere (ITCAM). Helped customers with Java EE architecture assessment, mentoring and best practices for development targeted to an WebSphere AS environment.

**May 2006 – November 2006****IBM – WebSphere Specialist**

Evaluation of the software architecture of the SISPL (Brazil's Lottery System). Worked on the application profiling and best practices dissemination for the development team in a WebSphere AS environment. Responsible for the configuration, deployment, maintenance and monitoring of the WebSphere AS environment used by Development and QA teams.

**November 2003 – June 2006****Banco Central do Brasil – Enterprise Architect**

Executing the planning, definition, dissemination, training, auditing, prospecting and support for the development teams working on architectures based on Java, Java EE, XML, SOAP Web Services, Java EE Design Patterns, JBoss AS, WebSphere AS, Eclipse, JBuilder, Hibernate, Struts and DB2 Mainframe

**April 2003 – November 2003****CPM – Java EE Consultant**

Member of the development team, main tasks included the development of the GUI using Swing, modeling and development of EJB Session and Entity Beans (CMP) on a SGBD DB2. Worked on the definition of the main software architecture, defining the use of Design Patterns (J2EE and GOF) and the data integration approach with Microstrategy and Informatica repositories.

**October 2002 – April 2003****Inttegra – J2EE Developer**

Development of GUI Swing components, security of Web applications and implementation of EJB 2.0 components. Responsible for the architecture and implementation of a Web Report System using JSP, Servlets, Struts, SGBD Oracle and Crystal Reports.

**February 2002 – October 2002****Banco do Brasil – Java Programmer**

Developer of an Applet based system with a backend using JSP, Servlets and SGBD DB2. Responsible for the development and maintenance of some Web components used both on the Internet and Intranet of Banco do Brasil.

## **Education and Certifications**

- 2013** IBM Certified Administrator – Rational BuildForge v7.1
- 2011** IBM Certified Application Developer – Rational Application Developer V8  
IBM Certified Associate – Rational AppScan Source Edition
- 2010** IBM Certified Application Developer – Rational Application Developer V7  
Oracle Certified Expert – Java EE 6 Enterprise JavaBeans Developer
- 2009** Oracle Certified Associate – Oracle Application Server 10g Administrator
- 2008** IBM Certified for On Demand Business – Solution Designer V2  
IBM Course: WB 125 – IBM WebSphere Process Server High Availability  
IBM Certified Deployment Professional – WebSphere Process Server V6  
IBM Certified Administrator for SOA Solutions – WebSphere Process Server V6
- 2007** IBM Certified SOA Associate  
IBM Certified Solution Developer – WebSphere Portal V5.1  
IBM Certified System Administrator – WebSphere Application Server Network Deployment V6.0
- 2005** IBM Certified Solution Developer – Web Services Development with WebSphere Studio V5.1  
IBM Certified System Administrator – WebSphere Application Server V5.0  
IBM Certified Enterprise Developer – IBM WebSphere Studio V5.0
- 2004** Sun Certified Business Component Developer for Java 2 Platform, Enterprise Edition  
Sun Certified Developer for Java Web Services  
IBM Certified Solution Developer – XML and Related Technologies
- 2002** Sun Certified Web Component Developer for Java 2 Platform, Enterprise Edition  
Borland Certified JBuilder Developer  
Sun Certified Programmer for Java 2 Platform
- 1999** Bachelor of Science – Psychology at Universidade Católica de Brasília (UCB)