

ROBERTO GAMARRA

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Summary

Java Developer offering 10+ years experience building java web applications with Java EE, JPA, Hibernate, JSF, SEAM framework, PrimeFaces and over 20 years of software development.

Constantly improving tools and infrastructure to maximize productivity, minimize system downtime and quickly respond to the changing needs of the business.

Team player, bug fixer and code enhancer.

Technology Skills

Tools and frameworks

- Java 5/6/7/8/11, Java EE 5/6/8, EJB 3, WELD, CDI 1.0/2.0
- JSF: JavaServer Faces (since 1.2 till 2.3), Facelets
- SEAM framework, since 1.2 (jboss-seam) till 2.2.2
- RichFaces 3, PrimeFaces 2 till 6
- JPA 1 & 2, Hibernate 3 till 5 with Infinitiespan and Eclipselink 2.3
- RESTful web services / RESTEasy
- JasperReports since version 2 till 5.
- HTML, DHTML, XHTML and HTML5
- PHP and CSS
- JavaScript, AJAX, JQuery and basic Angular/Aurelia/TypeScript

IDEs and plugins

- Eclipse IDE (since Europe till 2019-03) for Java development.
- iReport Designer for JasperReports.
- Aptana IDE 2 & 3 for PHP/JavaScript/HTML
- Visual Paradigm 11 for BPMN and UML
- Cloud9 and Nitro (cloud IDEs)
- Maven and JBossTools for Eclipse IDE
- Installations and tried outs with Eclipse CHE (cloud)

Data modeling

- SQL*Power Architect
- MySQL Workbench

Databases

- RDBMS: PostgreSQL 8 & 9, Oracle 10g and MySQL since 3.23 till 5
- NoSQL: MongoDB (basic), Couchbase (basic), RethinkDB
- Clients: pgAdmin3, SQL-WorkbenchJ, dbeaver, CLI clients from every database

Application servers

- JBoss AS versions: 4.0.2, 5.1.0, 7.1.1 and EAP 6.3
- WildFly 9 till 14
- Tomcat, TomEE and OpenLiberty for some examples

Repository

- Source code control: CVS, Subversion and Git
- Source code control clients: TortoiseSVN, WinCVS, Eclipse plugins for all.

Operative systems

- Windows 3.11/ 95/ 98/ ME/ NT/ 2000/ XP/ 7 / 10
- Opensolaris, OpenIndiana
- Linux: CentOS, CrunchBang Linux/BunsenLabs, Linux-Mint, Linux Lite, Ubuntu, Antergos, Manjaro and ArchLabs

Other Relevant Skills

- Java EE design patterns and Java best practices
- Object Oriented Design and Programming
- Good knowledge of SQL, JSON, XML and related technologies
- Basic knowledge of BPMN and Object Modeling using UML
- Starting with Domain Driven Design and Reactive architectures

Professional Experience

Skytel MTEL Paraguay (Asunción)

January 2018 - today

Senior Java Developer

Development of management software for hospitals.

First year, adding functionalities to different modules of the existing system developed with spring framework, also developing from the design of the database for the scheduling module.

Completion of the first year, re-engineering of the previously developed modules and definition of the new architecture, Java EE 8 is used for the back-end and Angular 7 for the development of the front-end.

Excelsis S.A.C.I.G. (Asunción)
February 2015 – December 2017
Senior Analyst / Developer

Software development with JBoss development framework along with PrimeFaces for Itaipu Binacional in Hernandarias.

Parque Tecnológico Itaipu (Hernandarias)
January 2014 – December 2014
Architect/Lead Developer

Re-engineering of the existing ERP. Implemented SDLC and methodologies like MDA (Model Driven Architecture).

Responsible for BPMN, Use Case, Sequence, MER, Deployment, Components, Package and Classes diagrams, once MER Diagram is finished responsible for leading the Classes Diagrams with the Analysts/Programmers so we can generate the basic codes for implementation. All these work is done using Visual Paradigm 11.

Responsible for implementation, will be than using JSF 2.1, PrimeFaces 5.0, JPA 2.1, Hibernate 4, JasperReports, iReport, JBossAS 7.1.1, maven, Eclipse IDE (Kepler) + JBossTools and (git proposed) svn as a repository.

Projects were split in two modules (two war files), one with business logic, persistence and services, the other client-side app, so it can be modified in the future with newer versions or other technologies like Vaadin, pure HTML/JavaScript with AngularJS or even SWING desktop apps. These technique avoids services of a particular module to stop and if problems arises only affects the upgraded/modified client-side app module.

Responsibilities:

- Research BPMN tools
- Architecture document
- Components Diagram design
- Deployment Diagram design
- Classes Diagram design

Environment: Linux, BPMN, UML, Java 6, JSF 2, Facelets, PrimeFaces, HTML5, CSS3, AJAX, JavaScript, EJB 3, JPA 2, Hibernate 4, RESTEasy (RESTful web services), JBoss-AS 7.1.1, Visual Paradigm, Eclipse IDE + JBossTools and iReport Designer for JasperReports.

Parque Tecnológico Itaipu (Hernandarias)

February 2012 - December 2013

Software Implementer - 2012

External Consultant - 2013

Continue with implementation of the custom custom ERP's organization.

Research for new technologies to define new architecture

Partial implementation of three modules with research result.

- xxx-auth: authentication service using RESTEasy (JBoss RESTful implementation)
- xxx-inventory
- xxx-transport

Completed some modifications in a geoportal with Geomajas

Responsibilities:

- Front-end: Developing JSF pages and Facelets templates using SEAM framework, RichFaces and JBossTools. Web programming using HTML/CSS/JavaScript.
- Assist team helping with debugging code, bug fixes and code enhancements.
- Write helper classes and review old J2EE implemented code to port it into SEAM Java EE 5 environment.

Environment:

Custom ERP: Java 6 Java EE 5, JSF 1.2, Facelets, SEAM framework 2.2.2, RichFaces 3.3.3, JavaScript and CSS, Zebra framework (for printing in client side), JPA and Hibernate 3, JBossAS 5.1.0, PostgreSQL 8.1, Eclipse IDE, Windows 7.

New Platform: Java 6, Java EE 6, EJB 3, JSF 2.0, Facelets, PrimeFaces 3.4, CDI 1.0s, RESTful / RESTEasy, JPA 2.0, Hibernate 4, JBossAS 7.1.1, PostgreSQL 9.1, Eclipse IDE + JBossTools, Windows 7.

Major Accomplishments:

Testing the new tools and frameworks to define future architectures.

Participated in the enhancement and fixing of bugs of current development.

Helped mentor some developers on JSF / SEAM / Hibernate.

Learned about Certification Authority

Learned about Geo-spatial data and tools

SIF America Sucursal, Paraguay (Asunción)

September 2011 - February 2012

Senior Analyst / Developer

Migration of an existing project from JSF 1.2 to JSF 2.

Preliminary version of Digitalization Files Management project was done with JSF 1.2, SEAM 2.2.2, Hibernate 3.

The newly version was developed using Apache Ivy configuration (alternative to maven), split in two modules: server-side and client-side.

Server-side: was done using Spring framework configuration, DAO pattern, Jackson serialization/deserialization and MyBatis framework for persistence.

Client-side: was done using JSF 2.0, SEAM framework 2.3 (this particular version was adjusted to work in Java EE 6, at that time was beta), PrimeFaces 2.1, Jackson serialization/deserialization and some Java EE 6.

Responsibilities:

- Front-end: Developing JSF pages and Facelets templates using PrimeFaces and SEAM framework. Web programming using HTML/CSS/JavaScript.
- Back-end: Implementing Spring framework, DAO objects and MyBatis persistence XML configuration files and POJOs mapping classes.
- Write helper classes.

Environment: Java 6, Java EE 6, JSF 2.0, Facelets, PrimeFaces 2.1, SEAM 2.3, AJAX, JavaScript, CSS, SVN, Jackson/Codehaus framework, JSON, Apache Ivy, MyBatis, RESTful web services, Spring framework, Oracle 10g, JBossAS 6, JPA 2, Hibernate 4, Nexus repository, Eclipse IDE + JBossTools, Ubuntu Linux.

Major Accomplishments:

Learned Java EE 6, Spring, JSON, Apache Ivy, Restful web services

Hands on new MyBatis version (formerly iBATIS)

ITH Software House (Asunción)

May 2010 - August 2011

Developer

Software management development for government agencies and ONGs like PNUD, Central Bank of Paraguay (BCP), Ministry of Finance and Ministry of Health

SIBPS: Information Subsystems Beneficiaries of Social Programs (PNUD)
SIRC: Information Systems Knowledge Network (PROFOMAF)
SIISB: Integrated Information System of the Superintendency of Banks (B.C.P.)
RRHHMS: Human Resources for the Ministry of Health, M.S.P. y B.S. (CIRD)
SCGM: Computerized System Management and Monitoring (DINCAP)
PIISPIBS: Integration Project for Public Health Information for the Social Welfare Institute (MSPYS)
PIISPPAI: Integration Project for Public Health Information for the Expanded Program on Immunization (MSPYS)
SIDI: Design and Implementation of Integrated System for the Comptroller of the Republic (CGR)

All projects were developed with JSF 1.2 and SEAM framework 2.2.2, Hibernate 3.3.3 and JBossAS 5.1.0 but with different target databases: Oracle, PostgreSQL and MS SQL Server using Eclipse IDE + JBossTools.

One SIISB project was developed using ADF framework and JDeveloper IDE.

Responsibilities:

- Create projects with Eclipse + JBossTools predefined schemes.
- Front-end: Developing JSF pages and Facelets templates using SEAM framework, RichFaces and JBossTools. Web programming using HTML/CSS/JavaScript.
- Back-end: Mapping persistence classes, create bean controllers.
- Write helper classes.
- Assist team helping with debugging code, bug fixes and code enhancements.
- Complete documentation established by CMMI.

Environment: Java 5, Java EE 5, JSF 1.2, Facelets, SEAM framework 2.2.0, RichFaces 3.3.3, AJAX, JavaScript, CSS, SVN, JPA 1.2, Hibernate 3, JBossAS 5.1.0, Oracle 10g, PostgreSQL and SQL Server, Eclipse IDE + JBossTools, CentOS Linux. I also use ADF framework along with JDeveloper IDE but to be honest I don't fee; comfortable working with these tools.

Major Accomplishments:

Participate in 8 projects, 3 of them with full life-cycle.
Have finished on time more than 30 Use Cases.
Start defining projects architecture.

Mastered JSF 1.2, SEAM 2.x framework along with Hibernate 3 and JBossAS 5.1.0 because of the amount of task assigned to me.

Wrote the initial Nielsen and OI ratings import routines

Mentored other developers on JSF 2 and SEAM

Learned CMMI methodology

SIF America Sucursal, Paraguay (Asunción)

April 2008 - December 2010

Senior Analyst / Developer

Software Management Systems for Paraguay Customs.

SGC Project: Quality Management System

Module: Document Control.

Module: Document Revision Control.

SGA Project: System File Management

Module: Scanning documents.

SGLES Project: System and Salary Management Bundles

SGR Project: Auction Management System

Aramí Project: Insured status query and practices control performed by communication between a POS client and a servlet on JBoss AS.

The servlet calls an EJB service to fulfill checking data. The data persistence is done with Hibernate.

Environment: Java 5, Java EE 5, EJB, JSF 1.2, Facelets, SEAM framework 2.0.2 till 2.2.0, RichFaces 3.1, AJAX, JavaScript, CSS, SVN, JPA 1.2, Hibernate 3.0, JBossAS 5.1.0, Oracle 10g, PostgreSQL and SQL Server, Eclipse IDE + JBossTools, Windows, Opensolaris and Ubuntu Linux.

Responsibilities:

- Create projects with Eclipse + JBossTools predefined schemes.
- Full development life cycle on all projects.
- Front-end: Developing JSF pages and Facelets templates using SEAM framework, RichFaces and JBossTools. Web programming using HTML/CSS/JavaScript.
- Back-end: Mapping persistence classes, create bean controllers and interaction with a servlet and EJB for Arami project.
- Business Logic: Writing services using EJBs and POJOs.
- Manipulate XML, XSLT.
- Write helper classes.

Major Accomplishments:

Arami project was implemented entirely by myself and using EJBs.

First time I worked with XML parsing on the same project.

First time worked with SEAM file-upload component.
I started a project on windows, moving onto Opensolaris and finished on Ubuntu. For Opensolaris I had to compile solipse.
Learned RUP

WPG (Weiss van der Pol Group) (Asunción)

June 2005 - March 2008

Programmer

Cooperative system: Contracts (Membership, Savings, Loan), Solvency.

The team I was part of was in charge of doing the contract in java web platform (JSF / jboss-seam / Hibernate) making use of MVC pattern. The Accounting was done in SWING by another team.

Responsibilities:

- Front-end: Developing JSF pages and Facelets templates using jboss-seam framework and RichFaces. Web programming using HTML/CSS/JavaScript.
- Back-end: Mapping persistence classes, create bean controllers
- Write helper classes.

Environment: Java 5, J2EE, JSF 1.2, Facelets, jboss-seam 1.2, RichFaces, JavaScript, Eclipse, CVS, EJB 2, PostgreSQL, JBossAS 4.0.2, Eclipse IDE.

Major Accomplishments:

Learned all about java framework

First time using Use Cases, both functional and technical specifications

Tecnomy S.R.L. (Villeta/Asunción)

April 2004 - June 2005

Software Computer Technician

General analysis for developing production system to be used in manufacturing plant. Support and implementation of production system. Open source technology research: java + PostgreSQL.

Some reports designed for production system.

Management of local intranet and VPN network with Asunción office.

General computer support.

Environment: Delphi 5, FortesReport, Windows.

Major Accomplishments

Learned a little Delphi.

Hands on analyst field.

Constructora Atlas SAECA (Asunción)

September 1995 - April 2003

Programmer

Here is where it all began... professionally speaking.

Development from scratch through implementation and support of Clients, Banks, Module for Cash Flows (integrating clients and banks), Module for sending the payment resume to National Health Insurance (I.P.S.), TXT file generated for this, Module for sending information to the Ministry of Justice and work (M.J.T.), TXT file generated for this.

Environment: FoxPro 2.6 for D.O.S.

Major Accomplishments

Courses taken: MS SQL Server Official Course, Visual Basic, Web Development, Access, Linux and Java (all course paid by myself). Full life-cycle on systems developed.

IcarusDB (sole-proprietorship company)

September 2003 - always

OS Ticket implementation with of custom reports development for "Ericsson del Paraguay", 2010.

E-commerce development: www.supervirtual.com.py. Joint project with LNX (Linux & Networking Experts), 2009

Students Record System for "Empleo Joven" Project, CIRD (www.cird.org.py, 2004).

Stock (local haberdashery at my hometown Villeta, 2003)

Environment: FoxPro 2.6 for D.O.S., PHP 4/5, MySQL 3.23, HTML, CSS, some JavaScript and JQuery, Apache, Linux, windows.

Major Accomplishments

One commerce at hometown using a system I develop.

Learned web developed with LAMP (Linux, Apache, MySQL, PHP)

Learned HTML, CSS and JavaScript (basic operations)

Get some hands on JQuery

With OSTicket I got hands on PHP with OOP

Education

- Facultad Politécnica. Universidad Nacional de Asunción.
 - Course: Computer Programmer (finished / Diploma).
 - Course: Degree in Systems Analysis (almost finished).
- Facultad de Ingeniería Informática. Universidad Privada del Este.

- Course: Computer Engineering. (final years)
- English: National Ministry of Defense
- Access 2.0, San Ignacio de Loyola / Microsoft Argentina
- Visual Basic 6.0, Module I, Instituto San Ignacio de Loyola.
- SQL Server 7.0, Official MS Curriculum, Instituto San Ignacio de Loyola/Microsoft.
- Web Design, Instituto San Ignacio de Loyola.
- International Course on Java, Instituto San Ignacio de Loyola.
- Introduction to CMMI.
- RHCE Rapid Track Course (RH300) [still I don't receive the certificate of participation].
- Engineering Software as a Service, Certificado.BerkeleyX.CS169.1x 2014-06
- TOGAF in 30, TOGAF Overview For BusinessIT Professionals (UC-UWYRBUXQ) 2015-10
- Java Design Patterns and Architecture UC-7X0B6GB2, 2016
- Big Data, El valor añadido de los datos en su negocio (75385291-fd64-4901-a9ea-1629a60d0fc9), 2016-05
- Introduction To Python Programming UC-GJO5STN7, 2016-06
- Introduction to Spark, Certificado.BerkeleyX.CS105x_edX, 2016-07
- CB020 Couchbase Fundamentals of NoSQL Data Management, 2016-08
- CB030 Essentials of Couchbase NoSQL Technology, 2016-08
- NoSQL for SQL Professionals, 2016-10
- M101x: Introduction to MongoDB using MEAN Stack, edx - 2016-12
- IDB6x: Gestión de Proyectos de Desarrollo, edx/BID - 2018-08
- Reactive Architecture: Introduction to Reactive Systems, LB0101ENV1, provided by Lightbend (cognitiveclass.ai)
- Reactive Architecture: Domain Driven Design, LB0103ENV1, provided by Lightbend (cognitiveclass.ai)
- Reactive Architecture: Reactive Microservices, LB0105ENV1, provided by Lightbend (cognitiveclass.ai)

Publication

I posted a presentation about cloud computing, scalable architecture and software as a service on Slideshare.

www.slideshare.net/McRose/scalable-architecture-enterprise-solutions-with-opensource-and-free-software

I also publish a small demo with basic functionality to show the powerful combination of cloud-base software (Openshift), software as a service with an invoice demo app with lasted tools and frameworks such as JSF 2.1, PrimeFaces 4.0, PostgreSQL 9, JBossAS 7.1.1

<http://invoicedemo-icarusdb.rhcloud.com>

The code for this demo can be found at github: <https://github.com/mcrose/invoice-demo>

Personal Information

Nacionality : Paraguayan.
Sex : Masculino.
Birthdate : 13-01-1972.
Status : Married.
Profession : Computer Programmer (Politécnica, UNA).

Links

<http://IcarusDB.com.py/>
<http://www.linkedin.com/in/robertogamarra>
<http://github.com/mcrose>
<http://www.slideshare.net/McRose/>
<http://about.me/mcrose/>

References

Available upon request.