

Roberto Guerrero

Software Developer

Professional Summary

- Overall **12+ years** of experience developing robust and scalable business web applications for the public and private sectors using Java/J2EE technologies in industries like **Media services, E-commerce, Retail, Government, Telemarketing, Industrial, and education**
- Extensive expertise with **Java, J2EE, JSP, JDBC, Servlets, Java Beans, ReactJS, JSON, XML, Web Services, JSF, Primefaces, Spring, Microservices, Spring boot, Hibernate, and Oracle PL/SQL.**
- **7 + Years** of Solid experience with **Java 11**, features like **Streams** and **Lambda** expressions.
- Experience using cloud technologies such as **AWS** and **Azure**
- **Solid 5 + years** of experience developing **Microservices** using **Spring Boot.**
- Experience in web development using **HTML, XHTML, React, Redux, JavaScript, JSP, and Servlets.**
- **3+ years' Experience** developing single page applications (SPA) using **ReactJS 16.8-17.0.2** and **Redux.**
- **3+ years' Experience** using **Hooks** in **React**, for work with props, state, context, etc. Using functions like **useState, useEffect, useSelector, useParams, and useHistory.**
- Strong Core Java with a strong understanding of **Multi-threading, Collections, and Exception handling.**
- Good at development in enterprise web applications using Core **Java,**
- Extensive experience in developing **RESTful (Spring)** web services, **JSON** as a data exchange format to integrate custom web applications and various enterprise systems and application modules.
- Proficient in **RDBMS** concepts, **queries, PL-SQL, stored procedures, triggers, functions, and views** using **Oracle** and **SQL Server.**
- Experience in Web/Application Servers such as **Tomcat 7/8, WebSphere Application Server, and WildFly** for deploying and configuring web applications.
- **6 + years' Experience** Creating and maintaining documents like PDF, and Excel with **Jasper Reports.**
- Expertise with development tools like **IntelliJ, Eclipse, Visual Studio Code, Spring Tool Suite, NetBeans, and DB Visualizer.**
- Experience in open-source frameworks like **Spring** and ORM Technology like **Hibernate, and JPA.**
- Experience implementing design patterns like **DAO, DTO, BO, Singleton, and Interface.**
- Experience with **best practices** and **well-done coding standards and security**, testing code in tools such as **Sonar.**
- Experience in integrating **REST, and SOAP** services using **SOAP-UI and Postman.**
- Worked with **SVN, GIT, and GITLAB** for version control and **Quality Center, and Jira** for bug tracking.
- Proficient with building tools like **Maven**
- Experience writing **JUnit and Mockito**, test cases for system testing.

Technical Skills

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|------------------------|---|
| Front End Technologies | HTML5, JavaScript, React, JSF, Primefaces |
| Back End Technologies | Java J2EE, Spring |
| Cloud Technologies | AWS, Azure, Docker |
| Databases | Oracle, SQL Server, MySQL, Postgresql, Informix, |
| Information | JSON, XML, XSD, Jasper |
| Application Servers | Tomcat, |
| Other | Project, Visio |
| Versioning | SVN, GitHub, GitLab |
| Methodology | Agile SCRUM |
| O.S. | Unix, Windows 10, Windows Server 2012, OSX |

Work Experience

Company: Certus Lab

January 2024– Till Date

Role: Software Engineer

Description: Certus is a Leading company with more than 25 years of experience in clinical and microbiological analysis, where some of my functions are to create new modules to connect with third-party software and also integrate with different API's as Cal.com and WhatsApp Business.

Responsibilities:

- Create **unit tests** in Nodejs using the **Mocha framework**
- Maintain code in **Java** and **SpringBoot**.
- Create **Azure Function** with **Nodejs**.
- Developed **Rest web services** with **Java** and **Spring Boot** as **microservices**
- Creation of **endpoints** for the frontend part
- We use **Azure bus** to decouple many of the application's processes, and with this, we were able to implement an event-driven architecture.
- Developed applications with **Spring Batch**, to automate processes and communicate with the laboratory's legacy system.
- Developed and executed Unit Test plans using **Junit** and **Mockito**.
- Developed and maintained **Docker** images and containers to support continuous integration and continuous delivery (CI/CD) pipelines.
- Utilized **Docker** to containerize and manage application deployments, resulting in more efficient and scalable development processes.

Environment: Java 17, 21, Nodejs, Spring Boot, Spring Web, Spring Batch, WS-Security, XML, Java EE, Apache Tomcat, SQL Server, Spring, JDBC, JavaScript, React, IntelliJ, Visual Studio Code,, SQL server, DBeaver, Postman, Git, Gitlab, Github, Sonar, REST, Azure

Client: Foxcorp

Company: Wizeline

April 2022– December 2023

Role: Software Engineer III

Description: Wizeline is a global technology services company. I am currently working at Foxcorp, in the media services part as a software engineer, where some of my functions are to create code to be able to process VOD (video on demand) from the different Fox partners using encoding.com as the main tool.

Responsibilities:

- Analyze information that will help me to create or update code in order to process different media files
- Maintain code in **Nodejs**.
- Create **unit tests** in Nodejs using the **Mocha framework**.
- Maintain code in **Java** and **SpringBoot**.
- Maintain **Lambdas in AWS**.
- Create **unit tests** using **Mockito framework**.
- Developed **Rest web services** with **Java** and **Spring Boot** as **microservices**.
- Developed and executed Unit Test plans using **Junit** and **Mockito**.

Environment: Java 11, Nodejs, Spring Boot, Spring Web, Spring Batch, WS-Security, XML, Java EE, Apache Tomcat, Servlets, SQL Server, JSP, JNDI, Spring, JDBC, JavaScript, React, IntelliJ, Visual Studio Code, Oracle, Postgress, SQL server, DBeaver, Postman, Git, Gitlab, Github, Sonar, REST, Azure, AWS.

Client: Truper Mexico

Company: Truper

June 2019 – April 2022

Role: Sr. Web Developer

Description: Truper is a leading exporter, importer, and manufacturer of hand tools in Latin America with the largest distribution network. I worked on many projects that included migrations, refactoring from monolithic applications towards **microservices** architecture, and design, and development of new applications in ReactJS.

Responsibilities:

- Developed **Rest web services** with **Java** and **Spring Boot** as **microservices** which were implemented to get information about agents and invoices from a **React** application,
- Requirements analyzed and application maintenance. It made many changes to different applications made with frameworks like **Hibernate**, **EJB**, **JSF**, **Primefaces**, and **Spring Boot**. These changes include fixes, new features, and improvements.
- Redesigned Customer Service Unit tool with new features using **Java** technology.
- Refactoring of monolithic applications made in Visual Basic, towards applications based on **microservices**, using **Java**, and **Spring Boot**.
- Developed applications with **Spring Batch**, to automate financial document exchange processes (purchase orders, invoices) with clients in North America.
- Developed the consumption of **SOAP** web services, for communication with **SAP**, using tools such as **SOAP-UI**.
- Designed and developed a new application using **React** and **Redux**, this development was made for clients' portals.
- Maintenance and support of applications that use **Servlet**, **JSP**, **JSF**, **PrimeFaces**, and **RichFaces**.
- Used **Maven** and **Jenkins** as build tools for deploying the application.
- Developed and executed Unit Test plans using **JUnit**, ensuring that results are documented and reviewed with Quality Assurance teams responsible for integrated testing.
- Several reports were developed in **Jasper Reports**. Often there were many changes to existing reports like **clausula** changes which were modified using **iReport**.

Environment: Java 1.7-1.8, J2EE, Spring Boot, Spring Web, Spring Batch, WS-Security, XML, SOAP, Java EE, Apache Tomcat, Wildfly, Servlets, SQL Server, JSP, JNDI, Spring, JDBC, WSDL, JavaScript, React, Redux, Jasper Reports, AJAX, Apache, Eclipse, Visual Studio Code, Oracle, SQL Developer, Soap UI, Postman, Git, Gitlab, Jenkins, Sonar, REST, Bootstrap, Quartz, Bootstrap,

Client: Bancomext Mexico

April 2018 – May 2019

Company: Meve

Soluciones Role: Sr Java

Developer

Description: Meve Soluciones is a consulting company that provides IT services to Bancomext Mexico (Bank). Bancomext is a Mexican state-owned bank and export credit agency, with this client I worked on many projects that included, adding security to existing applications, designing and developing new applications using microservices

Responsibilities:

- Developed **Rest web services** with **Java** and **Spring Boot** as **microservices** which were implemented to get information from a **React** application.
- Requirements analyzed and application maintenance. It made many changes to different applications made with frameworks like **Spring**, **Hibernate**, **EJB**, **JavaScript**, **React**, and **Spring Boot**. These changes include fixes, new features, and improvements.
- Integrate web-based customer management software using **JSP** and **JAVA code**.
- Defined the architecture of the application for the “Customers” module.
- Worked on **Oracle** as the backend database.
- Used **Jasper**, **Jasper server** to create reports, check, build logs, and test automation setups.
- Used **JavaScript** for front-end maintenance and new function implementation.
- Wrote **JUnit** test cases for system testing.

Environment: Java 1.6-1.8, J2EE, XML, SOAP, C Java EE, WebSphere Application Server, Servlets, JSP, JNDI, Spring, JDBC, jQuery, JavaScript, React, Jasper Reports, AJAX, EJB, Eclipse, Oracle, SQL Developer, Soap UI, Postman, Git, REST, Bootstrap, Maven, JPA, Hibernate, Spring, Apache Tomcat, IReport, React, Oracle, SQL Server, JSF, PrimeFaces, RichFaces, WildFly, Quartz, SVN

Client: T-System Mexico

April 2016 – April 2018

Company: Meve

Soluciones Role: Sr Java

Developer

Description: Meve is a consulting company that provides IT services to T-System (Informatics service) T-SYSTEMS is a German multinational IT and consulting services company, with this client I worked on many projects that include support to existing applications, development of applications for digitization for some banks such as Banco del Bajío, Banamex.

Responsibilities:

- Developed an application to implement paperless in some banks such as Banamex, using **Spring**, **web services**, and **JavaScript**.
- Integrate web-based customer management software using **JSP** and **JAVA code**.
- Defined the architecture of the application for the “Customers” module.
- Worked on **Oracle and SQL Server** as the backend database.
- Used **Jasper**, **Jasper server** for creating reports.
- Used **JavaScript** for front-end maintenance and new function implementation.
- Wrote **JUnit** test cases for system testing.
- Used **Hibernate** to query **Oracle databases** and return results to the **front end**.
- Designed and developed **Web Services** to provide services to various clients using **RESTful**.
- Migrate applications that use **EJB**, **JSF**, and **Primefaces**, to **Spring**, **Web services**, and **JavaScript**.

Environment: Java 1.6-1.7, J2EE, XML, SOAP, C Java EE, WebSphere Application Server, Servlets, JSP, JNDI, Spring, JDBC, jQuery, JavaScript, Jasper Reports, AJAX, EJB, Eclipse, Oracle, SQL Developer, Soap UI, Git, REST, Bootstrap, Maven, JPA, Hibernate,, Apache Tomcat, IReport, Oracle, SQL Server, JSF, PrimeFaces, RichFaces, WildFly, Quartz, SVN

Client: SEDESOL Mexico, IPN, CONACYT

February 2014 – April

2016 Company: Meve Soluciones

Role: Sr Java Developer

Description: Meve is a consulting company that provides IT services to, SEDESOL the government department in charge of social development efforts in Mexico, with this client, I worked on the migration and implementation of a management system.

IPN is a Mexican public institution for research and education, with this client I worked on migrations of old applications towards applications based on the web environment

CONACYT is Mexico's entity in charge of the promotion of scientific and technological activities, with this client I worked on a development application for document management

Responsibilities:

- Developed and maintained an application to manage, based on **Java, Servlets, JSP, JQuery, and JavaScript** technologies.
- Used **Hibernate** to query **Oracle database** and return results to the **front end**.
- Worked on **Oracle and SQL Server** as the backend database.
- Developed an application to replace the use of Excel, with the help of **Java, MySQL, Spring MVC, and Primefaces** technologies, these web applications were deployed in Apache Tomcat.
- Developed reports using **iReport**.
- Worked with stored procedures, triggers, and views.
- Wrote **JUnit** test cases for system testing.
- Integrate web-based customer management software using **JSP** and **JAVA code**.
- Added compatibility for old applications in new browsers using **JSF RichFaces**. Many applications were using **RichFaces** that only were used in Internet Explorer but in other browsers their functionality was wrong, for this project, it was necessary to modify some components of the **RichFaces** core to adjust those applications to work mainly in Google Chrome.
- Migrate application from Apache Tomcat to **WebSphere Application Server**.
- Developed an application for the digitalization of documents

Environment: Java 1.6-1.7, J2EE, XML, SOAP, C Java EE, WebSphere Application Server, Servlets, JSP, JNDI, Spring, JDBC, jQuery, JavaScript, Jasper Reports, AJAX, EJB, Eclipse, Oracle, SQL Developer, Soap UI, Git, REST, Bootstrap, Maven, JPA, Hibernate, Apache Tomcat, IReport, React, PL/SQL, JSF, PrimeFaces, RichFaces, WildFly, Quartz, SVN

Client: Bconnect Mexico

February 2011 – February 2014

Role: Jr Java Developer

Description: Bconnect is a company that provides Customer Service, Automatic Calls, and Technical support, with this client I worked on migrations from Visual basic applications to web applications using Java, developed and maintained for the applications of the call center of the following clients: Telcel(Telecommunications), Banamex(Banking), American Express(Financial), developed in a web environment, based on **EJB, JSF, JPA, Primefaces, JQuery, JavaScript** technologies, among others, for the sale of insurance via telephone (call center). Developed an application to obtain reports, for Nestlé, using **EJB, JSF, XHTML, and Primefaces**, these web applications were deployed in the WebSphere server.

Education

Technological of Higher Studies of Ecatepec
Bachelors in Computer Engineering

State of Mexico

2005 - 2010

