**Alejandro Barrero­­­­­­**

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**US citizen**

**Senior Software Developer Professional Profile**

Results-driven, dedicated, reliable and innovative developer with related education, practicum, and experience capable of delivering large-scale software development projects on time and on budget. Ability to code, collaborate and leading agile project teams. Track record of creating new software and systems, designing, analysis and testing for customized solutions to meet specific client needs. Highly skilled in problem-solving and communicating with diverse groups.

* **Solution Creation & Support:** Proven success designing and developing solutions that meet the client requirements and needs. Responsible for support, training and troubleshooting program issues.
* **Implementation & Analysis:** Experience monitoring and maintaining user interfaces and ensuring that throughout the development life cycle that required methodologies are in place.

Core Technologies:

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| --- | --- |
| Environments: | Windows, Linux, WebSphere, WebLogic, GlassFish, Tomcat, Development Environments, Eclipse, NetBeans, WebSphere Studio Application Development, Borland J, IntelliJ Idea, SQL, Oracle, DB2, SQL Server |
| Methodologies: | Object Oriented Design, Software Patterns, Unified Modeling Language, Rational Unified Process, Agile, Scrum |
| Languages: | Java Core (Threads, Reflection), Java Swing, Java J2EE, C, C++, Hibernate, IBATIS, JavaScript, TypeScript, Angular2, JQuery, Junit, Log4J, Message Queues, JMS, Ant, Junit, Spring (Dependency Injection, MVC, SOAP, REST, Hibernate, JPA), Unix Shell Scripting, Software Repositories |

**Educational Background**

**Ph.D. in Electrical Engineering**

University of Tennessee, Knoxville, TN

**Masters of Science in Electrical Engineering**

University of Tennessee, Knoxville, TN

**Experience**

\* Java Core: expert knowledge (Threads, Reflection).

\* Java Swing: expert knowledge

\* Java J2EE: expert knowledge (Servlets, JSP, Struts, Spring, Spring Boot, Hibernate, JDBC, EJBs, HTML, XML, jQuery, Angular (Single Page Applications), CSS, WebSphere, WebLogic, Tomcat).

\* Languages: Java, Typescript, JavaScript, JSON, C++ (not recent).

\* SOA, Web Services, SOAP, RESTFULL

\* Software Methodologies: Object Oriented Design, Unified Modeling Language, Rational Unified Process.

\* Platforms: Windows, Linux.

\* Development Environments: Eclipse, STS, NetBeans.

\* Databases: Oracle, DB2, SQL Server, MySQL

\* Web Servers: WebSphere, WebLogic, GlassFish, Tomcat.

\* Agile, Scrum, Gitlab, Jenkins, Kanban.

**Career Summary**

SABATICAL

**Senior Java Developer,** 2/2019 *- PRESENT*

*Family reasons*

ACCENTURE, Orlando, FL

**Senior Java Developer,** 9/2018– 2/2019

*Key Accomplishments*:

* Support web applications that provide integrated pharmacy benefit management services including network-pharmacy claims processing; home delivery pharmacy services and specialty pharmacy benefit management; also offers pharmacy benefit management services for workers' compensation insurance programs.
* Participated in Scrum stand up meetings every work day.

*Technologies: Java 8, j2EE, Spring, Junit, REST Web Services, Spring, SQL, Maven, Agile,* Gitlab*,* Jenkins, *Oracle, Hibernate.*

LIBERTY IT SOLUTIONS, Melbourne, FL

**Senior Java Developer,** 8/2017 – 5/2018

*Key Accomplishments*:

* Supported the enhancements of a Veterans Administration Spring web application.
* Participated in Scrum stand up meetings every work day.

*Technologies: Java 8, j2EE, Spring, Junit, REST Web Services, Spring, SQL, Kanban*, Jenkins*, Oracle, Hibernate, HTML.*

FAVOR TECHCONSULTING, Melbourne, FL

**Senior Java Developer,** 11/2016 – 6/2017

Developed and deployed Spring web applications for the Veterans Administration.

*Key Accomplishments*:

* Contributed in the analysis of a project to replace the Veterans Administration’s Sybase EDI Gateway system.
* Supported the creation of a Spring web application using Spring Security to replace the Veterans Administration’s VA Funding Fee Payment System, FPPS; the system provides services for hospital care and medical services. The application uses a front-end with Angular2 and a back-end with Spring.
* Learned Angular 2 to support ongoing projects.

Participated in Scrum stand up meetings every work day.

*Technologies: Java 7, j2EE, Junit, REST Web Services, Spring, Angular 2, TypeScript, Maven, Agile, HTML, Spring, JPA,* Jenkins, *Oracle, Hibernate.*

Lockheed Martin, Orlando, FL

**Senior Java Developer,** 1/2016 – 6/2016

Led the support team managing the data from flights of the F-35 fighter, for the number one global aerospace, defense, security and advanced technology company.

*Key Accomplishments*:

* Successfully created and delivered accurate data information via JavaScript and Java.
* Provided analysis and performed maintenance on flight information for the F-35 fighter.

Participated in Scrum stand up meetings every work day.

*Technology: Java, JavaScript, HTML, CSS, Agile.*

Unisys, Malvern, PA

**Remote Senior Java Developer,** 10/2015 – 11/2015

Supported the Liferay program for the global information technology company focused on solving complex IT challenges.

*Key Accomplishments:*

* Temporary remote position supporting the program creating digital experiences on web, mobile and connected devices.

*Technologies: Java, j2EE, Liferay, Spring, JPA, Oracle, Hibernate, AJAX.*

IntelliFuel, Titusville, FL

**Senior PHP Developer,** 12/2014 – 5/2015

Developed and deployed PHP applications for the fuel management and logistics solutions company.

*Key Accomplishments:*

* Successfully created # of applications for customers.
* Enhanced efficiency and productivity with PHP scripts that constructed weekly emails and monthly reports.

*Technologies: PHP, JavaScript.*

Health Plan Services, Tampa, FL

**Senior Java Developer,** 1/2014 – 12/2014

*Key Accomplishments:*

* Work on a web application to manage sales. It is a large application created with Spring MVC; The application accesses data from the database using Hibernate.
* Enhanced the Application using Object Oriented Concepts.
* Enhanced web pages using HTML, JSP, CSS, tags.
* Implemented Dependency Injection using the Spring Framework.
* Maintenance and construction of web pages: action classes, form classes, tiles, JSPs, JQuery, spring.
* Worked on an application to manages business rules using XML.
* Technology: Web Services, Struts, Tiles, JSPs, JQuery, JavaScript, Spring, JSTL, Rational Application Developer, WebSphere, Oracle.

Participated in Scrum stand up meetings every work day.

*Technologies: Java, j2EE, Struts, Oracle, Hibernate, SVN.*

Zymphony, Tampa, FL July2013- Dec2013

**Senior Java Developer,** 6/2013 – 12/2013

*Key Accomplishments:*

Healthe Systems

* Created a Java application to manage notifications in a prescriptions system. Received notifications were stored in a database with a time stamp to be delivered where a program will continually inspect the data base to send email to the recipients. Since the emails may not be processed, the program would create an escalation notification; if the escalation notification was not cancelled, a new email would be sent. The notifications could arrive through JMS or as faxes

*Technologies*: Java Messaging Services, SQL Server stored procedures and Dom XL parsing.

MenuTab

* The application uses IPads at a restaurant where patrons post orders to the kitchen and the bar. Created REST web services using the Jersey frame work to communicate between the IPads and the kitchen and bar applications

*Technologies***:** Web Services and Dom XML parsing.

Draper Laboratory, Boston, MA

**Senior PHP Developer,** 12/2012 – 6/2013

*Key Accomplishments:*

* Worked on PHP applications.
* Created PHP classes and PHP scripts to analyze XML documents for inconsistencies with the company requirements. Created PHP scripts with PHPlot to create bar charts. Explored different alternatives with Simple.XML, DOM and created a SAX parser.
* Created Word documents and Power Point files explaining how the programs work.
* Created SOAP and REST Web Services in PHP.
* Analyzed ways to debug the applications in the server with Eclipse and NetBeans.
* To debug the PHP in the local environment, created a remote DSN and a DSN-less connection.

*Technologies***:** PHP, Smarty Templates and PHPlot, Oracle.

**Bayview Asset Management, Miami, FL**

**Team leader,** 11/2011 – 6/2012

*Key Accomplishments:*

* Work on a web application to manage sales. It is a large application created with Spring MVC; The application accesses data from the database using Hibernate.
* Enhanced the Application using Object Oriented Concepts.
* Enhanced web pages using HTML, JSP, CSS, tags.
* Implemented Dependency Injection using the Spring Framework.
* Maintenance and construction of web pages: action classes, form classes, tiles, JSPs, JQuery, spring.
* Worked on an application to manages business rules using XML.

*Technologies*: Web Services, Struts, Tiles, JSPs, JQuery, JavaScript, Spring, JSTL, Rational Application Developer, WebSphere, Oracle.

**Royal Caribbean, Miami, FL**

**Senior Java Developer,** 3/2011 – 9/2011

*Key Accomplishments:*

* Worked on a web application to manage sales. It is a large application in Struts running on WebSphere with access to SOAP web services in an AS 400 mainframe.
* Involved in various phases of Software Development Life Cycle (SDLC).
* Enhanced the Application using Object Oriented Concepts.
* Developed web pages using HTML, JSP, CSS, tags.
* Implemented Dependency Injection and IOC paradigm using the Spring Framework.
* Maintenance and construction of web pages: action classes, form classes, tiles, JSPs, JQuery, spring.

*Technologies***:** Web Services, Struts,Tiles, JSPs, JQuery, JavaScript, Spring, JSTL, Rational Application Developer, WebSphere, Oracle.

**Verizon, Tampa, FL Jul2010-Dec2010**

**Senior Java Developer,** 6/2010 – 12/2010

*Key Accomplishments:*

* I worked on a Java application to manage assets in data centers using RFID tags. The system consists of assets (servers, etc.) in data centers attached to RFID tags, RFID readers that detect tags in their proximity and can communicate the list of tags to a Java program. The application has push functionality to receive information originated by events (lists of tags, alarms, etc.) in the RFID readers, pull functionality to request readers to read tags, control functionality to setup readers and reporting functionality to prepare reports (inventory). The communications between the readers and the servers will be implemented with message queues, JMS, and the communications between the services and the readers will be implemented with web services. The hardware of the system consists of local servers and databases associated with readers and a central server and central database. I have been preparing use cases, component diagrams, package diagrams, class diagrams and sequence diagrams for the application as well as simulations of some functionality.
* Contributed to the analysis of the requirements of the application.
* Contributed to the design of the application.
* Prepared UML artifacts (use cases, component diagrams, package diagrams, class diagrams and sequence diagrams).

*Technologies***:** Java, UML, XML, Web Services, Message Queues, JMS, Oracle.

**Gattaca, Bogota, Colombia**

**Team leader,** 11/2008 – 12/2009

*Key Accomplishments:*

* Created the Official Portal of Contraloria General de la Republica based on Liferay.
* Installed Liferay Portal with Glassfish server.
* Adapted Liferay Portal.
* Led a team of five developers.
* Developed UI screens using JSP, Servlets, AJAX, HTML, CSS for FTCPS site.
* Worked with Hibernate and JPA to search and modify data.
* Developed port lets for web statistics, newsletters and accountability.
* Led a team of three developers.

*Technologies***:** Liferay, Java, Portlets JSR 268, GlassFish.

**Netco, Bogota, Colombia**

**Senior Java Developer,** 5/2008 – 9/2008

*Key Accomplishments:*

* Created the workflow system of Superintendencia de Seguridad to manage all the processes in this government organization. The web application uses SQl Server. It was developed with JBoss Seam.
* Worked with JBoos Seam.
* Used JBoss Seam Developer Studio.
* Used SQL Server as the database.
* Worked with Hibernate and JPA to search and modify data.
* Worked in a team of seven developers.

*Technologies***:** JBoss Seam, Java, JavaScript, CSS, JUnit, JBoss.

**IBM, West Chester PA**

**Senior Java Developer,** 5/2007 – 12/2007

*Key Accomplishments***:**

* The Common Food Management System is a web application for the Department of Defense; it will replace systems currently used by the different services. The application was developed as a portal. I was responsible for developing port lets with Portlet specification JSR 168.
* Worked with WebSphere portal.
* Developed portlets in WebSphere Application Developer.
* Used Struts as the web framework.
* Used JavaScript and Struts validators for client and server validations.
* Used DB2 as the database.
* Worked with Hibernate to search and modify data.
* Worked in a team of ten developers.

*Technologies***:** Java, J2EE, the Struts framework, Hibernate, WebSphere Application Developer, WebSphere, DB2.

**L3 Communications, Camden NJ Permanent Employee Dec2005-Mar2007**

**Principal Engineer,** 12/2005 – 3/2007

*Key Accomplishments***:**

* The SAT Management Application is a program to control the communications systems used by the US Navy (MARCOM IVCS system). The program consists of a Java application with a Swing interface and a communications application with the hardware system in Core Java.
* Developed custom Swing components for the SAT Management Application.
* Developed Swing interfaces.
* Developed an interface to construct reports from SQL queries.
* Aided in performing architectural reviews, design reviews and code reviews and conducted Peer Review Committee meetings, PRC.
* Played a lead role in the design and implementation of core components: a reporting subsystem, a windows manager subsystem and the help system.
* Designed and implemented the installation program in Visual C++.
* Played a lead and architectural role in the design and implementation of an Alarm and Announcements subsystem; the design went from the study of user requirements and the design of a data model to the communications system.
* Conducted a course on Java to a group of sixty people. The topics included the Java language, threading, XML and Ant.

*Technologies***:** Java, Java Swing, NetBeans, Microsoft Visual Studio and C++, JUnit, Log4J.