**EDWARD A. MARTINEZ**

**Objective:**

Seeking a challenging position in Senior Applications Development/Architecture where I may leverage my strong technical and interpersonal skills.

**Scope:**

* Sun Certified Java Programmer
* 18 years of experience as a Software Engineer, providing customer service to multiple user groups and evaluation of vendor products

**Education:**

Bachelor of Science in Computer Science, Texas A&M University, May 1999

Master of Music, Rice University, May 1997

Bachelor of Music, University of Houston, May 1995

**TECHNICAL SKILLS**

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| --- | --- |
| Java – 17 years | J2EE – 15 years |
| EJB 3.x – 6 years | JMS – 7 years |
| Hibernate – 9 years | SOA – 9 years |
| Web Logic – 12 years | Active MQ– 5 years |
| JBoss – 7 years | JavaScript – 17 years |
| AJAX – 5 years | CSS – 6 years |
| Spring MVC – 4 years | ATG CMS – 1 year |
| OOA/OOD – 17 years | Oracle/SQL – 17 years |
| Tomcat – 6 years | JSP/JSTL – 8 years |
| Eclipse – 12 years | UNIX shell scripting – 17 years |
| Spring – 8 years | Maven – 8 years |
| Rest – 12 years | SOAP – 9 years |
| Java 8 – 1 year | Microservices –5 years |
| JPA – 8 years | Agile/Scrum – 5 years |

**Experience:**

**Contract Positions July 2011 – Present**

**Level 3 Communications (January 2017 – April 2017)**

**Senior Software Engineer**

* Solely responsible for migration of project from using an RDMS to one hosted by another inventory repository which was accessed by RESTful services.
* Utilized Apache Maven as a build tool, Http Client as a REST client, and MySQL as a back-end database
* Project was built around a microservice architecture implemented by Jersey on Tomcat.

**Charles Schwab (March 2016 – November 2016)**

**Senior Software Engineer**

* Responsible for the development, deployment, and monitoring of server side processes for Schwab Bank.
* Responsible for developing and adding features to a Spring Boot application, written in Java and developed using the Spring framework. The application provided many services to the customer facing web site [www.schwab.com](http://www.schwab.com). The application provided a variety of features, including the ability to make transactions between Schwab’s various loan products, as well careful recordkeeping functions between Schwab accounts and customers.
* Projects were built in a microservice architecture using Spring Boot, Pivotal Cloud Foundry, and Spring JMS.
* Utilized Atlassian tool suite (Confluence and BitBucket) to manage document and source code repositories, respectively.

**Matrix IT, LLC (December 2014 – March 2016)**

**Principal**

* Developed an iOS 9 application designed to simplify event planning using Swift 2 and Objective-C.
* Engaged 2 disparate custom components, a custom camera and an image picker, to work seamless together by refactoring some of the existing Objective-C code.
* Integrated the app with Google’s Calendar service by writing Objective-C to implement the OAuth 2.0 protocol to handle single sign-on and provide a seamless user experience.
* Integrated Google Maps with the app using the Google Map Swift API.
* Integrated Facebook single-sign using the Facebook SDK.
* Utilized Parse as the back-end.

**Comcast Cable (June 2014 – December 2014)**

**Senior Software Engineer**

* Developed a spectrum analyzer for use by field Comcast technicians to assist them in troubleshooting customer issues with cable modems.
* Developed a front-end web client, which was accessed on iPads, using AngularJS, jQuery, HTML5, WebSockets, D3.js, and CSS3.
* Developed backend services for this web client using RESTful web services and JMS messaging using RabbitMQ.

**Kaiser Permanente (December 2012 – May 2014)**

**Senior Software Engineer**

* Developed the user interface for a medical recordkeeping system being deployed to Kaiser clinics throughout Colorado using Struts 1.2, JQuery, CSS, and Ajax.
* Responsible for developing the user interface and middle tier for an enrollment portal into an automated lab ordering system to be used by primary care physicians using Struts, jQuery, JSP, JSTL, CSS, and Hibernate.
* Developed the user interface and middle tier for an application to be used by physicians to suppress care gaps on a patient-by-patient basis using Spring MVC, jQuery, JSP, JSTL, CSS, and Hibernate.
* Responsible for developing strong relationships with the user and business community to transform user requirements into clearly defined user stories for use in an Agile/Scrum environment.
* Used Scrum methodology with fast 2-week sprints.

**Charles Schwab (April 2012 – December 2012)**

**Senior Software Engineer**

* Responsible for the development and maintenance of a JAX-WS web service, which provided an upgraded backend interface for several of the firm’s voice services.
* Developed an in-memory and disk web service response cache using JAXB technology.
* Refactored and added operations to an existing WSDL using XML Schema.
* Architected, designed, and implemented a client server application from top to bottom to display Key Performance Indicators to Schwab executives. This included recommendations on hardware, clustering, database schema, and user interface. Implemented the server side of the application in EJB 3.0 and JAX-WS on WebSphere, and developed the UI as a RIA developed in Adobe Flex 4.5 and Action Script 3.0. Utilized Spring JMS as a framework for that end of the **SOA** implementation, and used Adobe’s BlazeDS as the message broker.

**DIRECTV (July 2011 – May 2012)**

**Senior Software Engineer**

* Developed, architected, and designed a web application on the customer-facing web site directv.com to provide end users the ability to find DIRECTV retailers. This was implemented with Hibernate on the back-end, and AJAX, JavaScript, CSS, JSP, and JSTL on the front-end, in an Agile/Scrum environment.
* Responsible for the troubleshooting and repair of production defects on directv.com.
* Worked with internal users in gathering requirements and assisted project managers in the establishment of timelines for deliverables on enterprise projects.

**TW Telecom March 2008 – July 2011**

**Senior Software Engineer**

* Architected and implemented large-scale **SOA-based** architecture using JAX-WS web services and EJB 3.1 as back-end service for multiple clients including a Flex application and a telecommunications fault management database client, configured by Spring.
* Assisted in configuration of BlazeDS broker to connect to back-end services.
* Developed JMS topics to provide enterprise clients with access to streaming telecommunications alert data.
* Architected and designed Hibernate-based service to cache network objects, and provide highly scalable and fast performance to front end clients.
* Developed Hibernate application to populate telecommunications network topology from a relational database which used Spring Dependency Injection for unit testing as an easy framework from which to inject and configure mock objects.
* Troubleshot and administered Active MQ, which was serving as the broker for a JMS topic.
* Administered and managed deployments to JBoss 6, which included troubleshooting and ensuring uptime.
* Developed and configured a Flex Remote Object, which was connected to a stateless Singleton Bean, used to deliver telecommunications notifications and objects.
* Maintained multiple Tomcat installations, where BlazeDS was deployed, and troubleshot issues with development and deployment.

**Computer Sciences Corporation/Lockheed-Martin July 2007 – February 2008**

**Senior Consultant**

* Developed web-based search tool to help engineers maintain large aerospace inventory.
* Implemented and troubleshot large Oracle database schema that was used as the back-end to the tool described above. This included optimizing query performance via explain plan, and identify and fix defects in referential integrity.

**BEA Systems, Denver, CO February 2007 – June 2007**

**Developer Relations Engineer (Contract)**

* Assisted WebLogic users in troubleshooting development and production issues with their servers and deployments.
* Developed sample WebLogic client code to reproduce customer issues and open Change Requests.

**McKesson Corporation, Louisville, CO August 2006 – January 2007**

**Senior Software Engineer (Contract)**

* Was responsible for the development and maintenance for a large-scale hospital emergency room application. Development was done on both client and server ends of the application.
* Client side development was developed in C#, while the server side was developed in Java and Apache Axis.
* Custom ActiveX controls were utilized to have the client act as a browser to navigate through Java applets, which in turn executed business logic on the server side.
* System was designed to track emergency room charts and provides the functionality to view/edit charts and to manage physician orders on each patient. Iterations of development were followed by iterations of bug fixing.
* Bug tracking software was Borland's StarTeam. Visual Studio and Eclipse were IDEs for C# and Java, respectively. OSs used were Windows XP and Red Hat Enterprise Linux. Other technologies employed during this assignment were: XML, JavaBeans, Plain Old Java Objects (POJOs), Java, J2EE, Hibernate, HTML, and JavaScript.

**Great-West Life & Annuities, Greenwood Village, CO October 1999 – August 2006**

**Senior Software Engineer**

* Served as technical lead and implemented J2EE online enrollment system using stateless session beans. EJBs were interfaced to legacy C++ code via CORBA. Ant and Xdoclet were used to generate EJB interfaces and WebLogic deployment descriptors.
* Developed, aided in design, and debugged MVC servlet application. Application served as the financial recordkeeper for over 1.5 million retirement plan participants.
* Developed and maintained JSP/Struts/Tiles application which was used as a GUI to servlet application. Application was customized via property files and an Oracle database, allowing us to make changes on-the-fly to the application without necessitating a re-build.
* Was actively involved in screening, mentoring, and training junior developers in corporate “best practices” and coding standards
* Extensively refactored existing code to comply with higher corporate security standards
* Evaluated and implemented BEA WebLogic 6.1/7.0/8.1 in development, QA, and production environments. Served as WebLogic Administrator
* Developed multi-threaded application response monitoring application in Java, using XML/XSLT to transform output to HTML and plain text

**Texas A&M University July 1997 – October 1999**

**Department of Computer Science, Computing Services Group**

**Server Administrator and Systems Programmer**

* Responsible for Java research project was developed to illustrate use of RMI in applet-to-database communication by providing a web GUI interface to Oracle SQLPlus
* Web applications developed in PERL/CGI included an online purchase order system and a discussion forum for faculty members to hold discussion groups on selected topics of interest.
* PERL and UNIX shell scripting was used extensively in routine system administration tasks
* Static and dynamic HTML was used in day-to-day maintenance of departmental web pages.