**Venkata Vangala**

**Senior Java/J2EE Developer**

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###### **PROFESIONAL SUMMARY:**

* 8+ years of professional experience in **CoreJava**, **Web** and **Enterprise applicationDevelopment**using **Java/J2EE.**
* Well versed with complete **Software Life Cycle Development process** that includes translation of requirements into functional and technical **specifications, Designing, Developing, Testing, Implementation** and **Post Production support.**
* Developed Internet/Intranet and Client/Server applications using JEE/J2EE technologies such as **Servlets, JSP, JSTL, JDBC, JAXB, EJB**and**web services**.
* Extensive experience in using J2EE design patterns such as **MVC (Model-View-Controller), Singleton, Abstract Factory, Façade, Observer, Adapter**and **DAO**.
* Extensive experience in design, development and implementation of **Model View Controller(MVC)** using **Spring MVC** and **Struts**.
* DevelopedORM frameworks like **Hibernate/JPA AND JDBC** framework for back end development.
* Implemented Dependency Injection (IOC) using **Spring** **framework** to inject dependency into objects.
* Designed and developed user-friendly GUI interface and web pages using **HTML, HTML5, CSS, AJAX, Angular JS, JQuery, andJavaScript.**
* Good experience on creating and consuming of **REST** and **SOAP** based Web Services.
* Well versed with **Log4J,** Apache Commons, **SLF4J** logging frameworks.
* Strong experience with **JUnit** in performing unit test and determining the application functionality.
* Experience in using **JProbe** for **fine tuning** the applications by using JProbe Memory debugger, JProbe Profiler, JProbe Threadalyzer, JProbe Coverage.
* Good working knowledge of databases like **Oracle, MySQL.**
* Experience in writing **SQL queries, Stored Procedures, Functions**and **Triggers**.
* Experience in working with database tools such as **TOAD, SQL Develope**r and **MySQL Workbench**for **query tuning.**
* Experience in working with **XML** and **XSL/XSLT**.
* Extensive experience in programming, deploying, configuring Application servers like **Tomcat, WebLogic, IBM WebSphere, JBoss and Glassfish.**
* Good Knowledge in building **ANT/ MAVEN** scripts for customizing and packaging WAR/ JAR/EAR files for web applications.
* Extensive development experience with IDE’s like **Eclipse, OEPE, Spring Tool Suite, IBM Rational Application Developer** and **NetBeans.**
* Good experience with version controls like **TFS, SVN, IBM Clear Case, CVS & GIT**.
* Experience in creating technical documentation and design documents using **UML models** and diagrams using **RationalRose**,**Microsoft Visio**.
* Experience in generating various **dynamic reports** in PDF/XLS format using **Jasper Reports** and **Dynamic Jasper**
* Managed application development over the years through **agile, scrum and waterfall** practices.
* Self-motivated, good team member with excellent analytical, communication & problem solving skills with ability to work independently as well as in a team.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Languages** | Java, C/C++, C#, SQL/PL SQL |
| **Java** | J2EE, JSP, Servlets, JSF, Java Beans, JDBC, Ajax, JSTL, EJB, Multi-threading |
| **Frameworks** | Struts, Struts-Tiles, Spring, JSF, Hibernate |
| **Databases** | MySQL, Oracle, MySQL Server |
| **Tools/IDEs**  **Testing Tools** | Eclipse, OEPE, Spring Tool Suite, IBM Rational Application Developer and NetBeans.  Soap UI, Postman, Junit |
| **Platforms** | Windows 8/7/2000/XP/Vista, UNIX/Linux, Solaris |
| **Application Servers** | Apache Tomcat, BEA WebLogic, IBM WebSphere, Glassfish |
| **Version control** | TFS, SVN, IBM ClearCase, CVS & GIT |
| **Web Services** | REST and SOAP |
| **Frontend technologies** | HTML5, XHTML 1.0, CSS, JavaScript, Angular JS, JQuery, and NodeJs |

**PROFESSIONAL EXPERIENCE:**

**Houston International Insurance Group - Houston, Texas Sep 2015 - Present**

**Role: Senior Java Developer**

Health Insurance Exchange (HIX) application makes the health care insurance experience simpler, easier and better for everyone involved in delivering practical and innovative solutions that meet unique customer needs. It was implemented to provide different enrollment plans, payment plans and profile maintenance modules.

**Responsibilities:**

* Involved in various phases of Software Development **Life Cycle(SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* Involved in **Agile methodology**, Scrum meetings, stand up to discuss Status, updates, progress and any issues of the Project.
* Generated the **UML diagrams** like Use case diagrams, Class diagrams and Sequence diagrams by using **Microsoft Visio**.
* Implemented MVC architecture by using **Spring MVC** to send and receive the data from front-end to business layer.
* Implemented **Dependency Injection (IOC)** using **spring framework** to inject dependency into objects.
* Migrated the **Servlets** to the **Spring Controllers**, developed Spring Interceptors and converted UI part of the servlets to JSPs.
* Worked oncertainenhancement modules of the application which involved front-end presentation logic developed using **Tiles, JSP, JSTL, JavaScript, JQuery** and **CSS**.
* Used **AJAX** extensively to implement front end /**user interface** features in the application at the client side.
* Used **DAO** design pattern to fetch data from database using Hibernate to carry out various database.
* Developed**Business objects** using **POJOs** and data access layer using **Hibernate**framework. Created the hbm.xml files and entity objects from the corresponding of database tables related to the enhancement modules.
* Worked on communication module to generate dynamic Email alerts from the application using **JavaMail API**.
* Developed **Web Services** clients to consume Web Services from other company wide Web Services.
* Exposed the Web Services to the client applications by sharing the WSDL's.
* Created new tables, **PL/SQL stored procedures, functions, views, indexes** and constraints, triggers and required SQL tuning to reduce the response time in the application for the new enhancement modules.
* Worked with **PL/SQL** for connecting to the **database** and creating queries and stored procedures for retrieving the stored data in Oracle database.
* Used **JUnit** as a unit-testing framework to write test cases as a part of the test driven development (TDD)
* Used **IBM Rational ClearQuest** for defect, code change and database change requests management.
* Developed and tested the application in **RAD development** environment and deployed into the WebSphere.Used SVNas a version controlling system for source code commits and updates.

**Environment:** Spring MVC, JSP, CSS, Tiles, JSTL, Java Script, JQuery, Hibernate, Java Mail API, Web Services, Oracle10g, Junit, RAD, WebSphere, ClearQuest, SVN.

# **Frontier Steel Company - Pittsburg, PA April 2014 – Aug 2015**

# **Role: Senior Java/J2EE Programmer**

In the course of receiving and sending Consignments, various teams and departments may need to improve the infrastructure arising at the request from customers, vendors or other sources. Consignment tracking system provides all these features, tasks and appropriate notifications to individuals and groups that must be involved and progress notifications to interested parties.

**Responsibilities:**

* Developed User Interface **POCs** based on MVC frameworks like **Spring MVC, Struts**.
* Implemented the application in Model-View-Controller Architecture, which accomplishes a tight and neat co-ordination of **Struts MVC, JSP, Servlets** and **Custom Taglibs**.
* Developed the User Interface validation framework in combination of custom validation built on top of Struts validation framework from the form bean.
* Developed Server side components with coordination of Hibernate and Spring using web established frame work.
* Used the light weight container of the Spring framework to provide architectural flexibility for **inversion of controller (IOC).**
* Configured **Hibernate** to make use of second level **EHcaching** to display the static lookup data from the database. Developed various java objects (POJO) as part of persistence classes for ORM.
* Used **pagination** concepts of **hibernate** to limit the number of records that might otherwise occupy large amount of memory.
* Worked on developing UI components using **jQuery, AJAX** and other JavaScript libraries like **DHTMLX** and **EXT** libraries.
* Implemented method level caching to methods using the **Ehcache** and Ehcache Annotations.
* Used JUnit as a unit testing framework and **EasyMock** for generating mock objects to write test cases as a part of the test driven development (TDD).
* Used Tomcat for deploying various components of application and **MAVEN** as build tool and developed build file for compiling the code.
* Developed Web services client modules based on **SOA** architecture to consume services.
* POCs and Project Database development required creation of new tables, PL/SQL stored procedures, functions, views, indexes and constraints, triggers.
* Worked with **SQL Developer**for connecting to the database and creating queries for retrieving the stored data in the database in Oracle.
* Worked on module to generate various **dynamic reports** in PDF/XLS format using **JasperReports** and **DynamicJasper**.
* Used **SVN** as a version controlling for the source code commits and updates.
* Worked with a large team present in both offshore and onsite and provided production support by making quick fixes and performing defect remediation.

**Environment**: Spring MVC, Struts, Spring Framework, JSP, Custom Taglibs, jQuery, AJAX, DHTMLX, EXT, Ehcache, EayMock, Tomcat, MAVEN, Junit, Web services, Oracle 10g, SVN.

**AIRBIQUITY - Seattle, WA July 2013 – Mar 2014**

**Role: Software Engineer (JAVA)**

Information Gathering Operational Resource (IGOR) is an intranet web application used by call center agents and supervisors to handle customer accounts during Product Marketing Tests. It is used to capture marketing and fulfillment data and manage customer experience.

**Responsibilities:**

* Used Agile Software Development for developing the application and developed **Use case diagrams, Object diagrams, Class diagrams**, and **Sequence diagrams** using UML**.**
* Provided the data layer tier as a **web service** and made it loosely coupled and accessible to different tiers in the **n-tier architecture** and also for the future projects.
* Created the**hbm.xml** files and entity objects from the corresponding large number of tables along with the relations using hibernate reverse engineering plug-in.
* Implemented custom HQL functions and added them to **Oracle 10g dialect**.
* Used SVN as a version controlling for the source code commits and updates.
* Developed and utilized **JEE Services** and **JMS components** for messaging communication in WebLogic Application Server.
* Deployed the modules on **WebSphere**Process Server and tested all the components in business process choreographer explorer of the server.
* Developed automated build files using **ANT** Used Ant for version control and configuration management
* Experience in implementing **Web Services** in-order to communicate between different distributed components using with SOAP Protocol using Apache Axis.
* Used JUnit as a unit testing framework and **EasyMock** for generating mock objects to write test cases as a part of the test driven development (TDD).
* Used **JProbe** for fine tuning the application.
* Database development required creation of new tables, PL/SQL stored procedures, functions, views, indexes and constraints, triggers and required SQL tuning to reduce the response time in the application
* Worked with **PL/SQL** for connecting to the database and creating queries for retrieving the stored data in the database in Oracle
* Generated views, sequences using **SQL in TOAD 9.7** for oracle 10g database.
* **Stored Procedures** were written using PL/SQL and called them from **hibernate** by avoiding expensive DB hits.

**Environment:** WebSphere, SOAP, WSDL, JSP, JMS, XML, UML, SVN, ANT, JUnit, EasyMock Hibernate, Unix, Oracle 10g, JProbe, PL/SQL, HP Quality Center 9.2, and Toad.

**John Deere Credit- Moline, IL. Oct 2012 – June 2013**

**Role: Java Developer**

As part of procuring and booking John Deere products,John Deere Credit system allows dealers/users to apply for online credit approval process, granting it to the applicant (Customer). The system life cycle ends after a Credit Application is either booked (granted) or denied or withdrawn.

**Responsibilities:**

* Used **Rational Rose** to design Use Case Diagrams, Class Diagrams and Sequence Diagrams.
* Involved in design of Contracts, Capacity Release subsystems using UML and various design patterns.
* Used **DAO pattern** to fetch data from database using Hibernate to carry out various database.
* Created thehbm.xml files and entity objects from the corresponding large number of tables along with the relations using hibernate reverse engineering plug-in.
* Developed user interface for Contracts, Capacity Release subsystems using JSP and JSTL.
* Developed **custom validation plug-in** for validation of user input in struts framework.
* Developed rich application client for Contracts and nominations module using swing.
* Developed **JSPs** for user interface with Tag libraries and Custom tags.
* Developed Contracts, Capacity Release subsystems using EJBs for implementation of business rules.
* Developed **test cases** for Contracts, Capacity Release subsystems using JUnit and Cactus.
* Developed data exchange functionality for gas storage system, which accepts, analyses data from different gas measurement systems based on **JAX-RPC** using SOAPprotocol.
* Developed PL/SQL stored procedures and functions for enforcing database constraints on XML data.
* Implemented query optimization on the Oracle 8 database using indexing, clustering and partitioning techniques.

**Environment:**Windows, RAD 6.0, Java/J2EE, Struts, JAX-RPC, SOAP, SAAJ, JAX-WS, EJB, Web Services, JUnit 4.0, Rational Rose, DB2, Hibernate

# **Omega Bank Card Services - Birmingham, Alabama** **March 2011 – Sep 2012**

**Role: Java developer**

Bill pay is an enterprise application developed to replace the old Remote procedure billing system which is running on IBM main frame. This project is developed to support all the services provided by the legacy system and add new functionally to support the current client tale.

**Responsibilities:**

* Developed **Struts2** based presentation layer, **hibernate** based Dao layer and integrated them using Spring Dependency injection, ORM and Web modules.
* Developed **Application Level Data Base Programming** using Hibernate for creating some new functionalities in application
* Supported bug-fixing, enhancements, trouble shooting various application errors, exceptions on different environments.
* Database development required creation of new tables, PL/SQL stored procedures, functions, views, indexes and constraints, triggers and required SQL tuning to reduce the response time in the application
* Worked with **PL/SQL** for connecting to the database and creating queries for retrieving the stored data in the database in **MYSQL.**
* Configured **TOAD** to work with oracle and MySQL to work in the complicated queries required for the Dao layer development.
* Developed **Test driven, Test first methodology** based JUnit test cases for existing modules, new enhancements and new modules.
* Developed **logging framework** in conjunction with SLF4J, LOG4j for logging, external configuration files to have fine grained control the log levels for development team at diff phases of development.
* Implemented design patterns such as **Singleton, Factory pattern and MVC**.
* Developed the **middle tier** using spring framework's dependency injection and remoting.

**Environment:** Java Script, J2SE/J2EE, CVS, Toad, Hibernate, Apache, WebLogic, Struts, JUnit 4.0, Oracle, MYSQL, Eclipse and LOG4J.

**GLOBALCARD SERVICES INC – Chicago, IL April 2010 – Feb 2011**

**Role: Java/J2EE Developer**

Worked on the Service Bureau project that increased the revenue of the company. The primary function of Service Bureau is to personalize secure card. The software facilitates the user to extract the highly secured date received in a non-standard format from the banks and manipulate the data in a suitable format for machines.

**Responsibilities:**

* Worked as an efficient team member and interacted with Business Analysts, gathered the requirements and converted them into technical specifications prior to commencement of the projects
* Used **JSPs, HTML, Java Script**, and **CSS** for development of the web pages for the front end part of application.
* Developed JSPs for user interface with Tag libraries and Custom tags
* Designed and developed the applications using **MVC design patterns**
* Developed dynamic web pages using **JSP, JavaBeans, HTML** and **JavaScript**
* Developed **Entity Beans** and **Session Beans** to implement business logic for various product transportation and distribution over different areas
* Coded **JavaScript for validating** the client side user account information based on the business rules
* Configured **Java Beans** to communicate with the middleware i.e. Enterprise Java Beans (EJBs) to supply the data to the web interface
* Worked in collaboration with the testing teams to develop the test cases
* Assisted the internal teams in performing User Acceptance Testing (UATs)
* Used JUnit to perform unit testing and created functions, sub queries and stored procedures using PL/SQL
* Database development required creation of new tables, PL/SQL stored procedures, functions, views, indexes and constraints, triggers and required SQL tuning to reduce the response time in the application
* Worked with PL/SQL for connecting to the database and creating queries for retrieving the stored data in the database in Oracle

**Environment**: Java, EJB, JDK, JSP, JMS, XML, CSS, HTML, Java Beans, JavaScript, PL/SQL, MS Office

**Alliance Bank, India May 2008 – April 2010**

**Role: Java developer**

To build a Common Application for approval/decline the Debit Card, Credit Card and Dynamic Application for multi-banking products for the Online applicants through various delivery channels E-Commerce, Banking center and partners site without the need to visit the individual product applications

**Responsibilities:**

* Responsible for reviewing business user requirements and also participated in meeting the users with Business Analysts
* Design and developed applications with **Eclipse** in Java using a Struts framework running on **WebLogic** application servers.
* Developed the User Interface using **JSP/AJAX/ HTML / CSS/ Java Script.**
* Widely Used Design pattern like **DAO, Singleton, Business delegate** and **Service Locator** in the process of system designing and development.
* Used Message Driven Beans and **JMS** to process the requests from the customer asynchronously
* Developed stored procedures, cursors and database Triggers and implemented Scrollable Result sets
* Consumed Web Services (WSDL, SOAP, and UDDI) from third party to verify the credit score of applicants
* Developed **Web services** using top-down approach and coded required WSDL files
* Used **XSL/XSLT** for transforming common XML format into displayable format
* Involved in testing the system using **JUnit**
* Developed automated build files using **ANT**
* Maintained the source code versions in Subversion repository
* Used **Log4J** for logging and tracing the messages
* Deployed application in **WebSphere** Application Server and developed using RAD

**Environment:** Core Java, WebSphere, RAD, Oracle, Linux, Servlets, JSP, Struts, AJAX,HTML, JMS, JNDI, JAAS, JTA, XML, XSL, JAXB, SOAP, UDDI, WSDL, JUnit, Log4J, ANT, VSS

**EDUCATION QUALIFICATIONS:** Bachelor in Computer Science.