**Manoj Mandava**

**Full Stack Java Developer**

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**Professional Summary**:

* 8 years of Comprehensive Experience in Object-Oriented Programming, Design, Development, Support and testing of **Client/Server, J2EE, Web and UI Applications** in various domains including HealthCare, finance, Insurance and other domains.
* Experience in large scale **SDLC** (Software Development and Life Cycle) including Requirements Analysis, Project Planning, System and Database Design, Object Oriented Analysis and Design, Development, Testing, Implementation and Documentation using **Waterfall** and **Agile** Methodologies.
* Proficient in Web designing & development using **HTML4/HTML5, CSS3, Bootstrap JavaScript, JSP,JQuery, Angular JS, JSON, Node.js and Ajax**.
* Excellent experience in **DevOps Tools (GitHub, Nagios, Monit, Consul.io, Jenkins and Docker).**
* Experience in **Core Java**, **Multithreading, Data Structures, Arrays and Collection Framework.**
* Implemented various Design Patterns such as **Model View Controller (MVC), Data Transfer Object (DTO), Data Access Object (DAO), Singleton pattern** and **Factory**.
* Hands on experience in Java/J2EE technologies like **Microservices,** Struts, **Spring**, **ORM framewor**k Hibernate.
* Expertise in Spring **Security** Framework and Good Knowledge on OAuth for authentication and authorization.
* Used Persistence Frameworks, **Hibernate** 2.0, 3.0**, JPA** to map POJO classes.
* Experience in Web Service Technologies like **REST, SOAP, WSDL, UDDI** and **XML**.
* Proficient in using RDBMS concepts with **Oracle 9i/10g/11g**, **MS SQL, MySQL 5.6** and

**Postgre SQL**. Experience in writing SQL, **PL/SQL** Stored procedures and triggers. Worked with Non-relational databases like **MongoDB, Cassandra.**

* Decent programming knowledge in **shell scripting** on Unix/Linux Environment.
* Design high availability (HA) applications on **AWS** across Availability Zones and Availability Regions.
* Experience in implementation of Continuous Delivery using **Docker, Jenkins** and **AWS APIs**.
* Strong knowledge in developing **UML Diagrams** such as Use Case, Class, Activity, Sequence and Data Flow diagrams using UML tools like IBM Rational, Visual Paradigm and Microsoft Visio.
* Skill in design and implementation of business workflows tools like **jBPM, BPM Activiti.**
* Worked on building web services using spring and CXF, operating within ESB, offering REST and SOAP interfaces.
* Familiar with **Networking, TCP/IP, UDP** concepts.
* Knowledge with **IP addressing and TCP/IP** networking.
* Experience with **Version Control Systems** (Subversion/CVS/Git).
* Extensive Experience with Java Compliant IDEs like **Eclipse, NetBeans**.
* Worked effectively in independent and cross-functional team environments, Ability to learn and incorporate new technologies.
* Excellent analytical, interpersonal, fast learner, hardworking and good team player with strong written and verbal communication skills.

**Technical Skills:**

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| Programming Languages | Java 1.4-1.8, PL/ SQL, JavaScript |
| Frameworks | Struts 1.x,2.x, Struts 2.0,Spring 2.0.2.5.3.0,Spring4, Hibernate4 2.0,3.0, IBATIS, Prime Faces |
| Front-end Technologies | HTML4, HTML5, EXTJS, CSS 2.1, CSS 3, Bootstrap, jQuery, DOJO, GWT,Angular JS, JSF, Node.Js |
| Server Side scripting | JSP,PHP |
| Markup Technologies | XML, XSL, HTML, DHTML, XSLT |
| Web-Services/Tools | JAX-RPC,JAX-WS, JAX-RS, Jersey, Axis 1.0, JWSDP 2.0, SOAP, REST |
| Application/Web Servers | IBM WebSphere 5.X/6.0, WebLogic 7.x/8.x/9.0, WebSphere Portal 5.x, JBoss 4.0, Apache Tomcat 5.0/6.0, GlassFish4 |
| Database | Oracle 8i,9i,10g,11g, SQL Server 2005,2008, MySQL, DB2 7.0,8.0,9.0, PostgreSQL 8, MongoDB, Cassandra |
| IDE Tools | IBM WebSphere Studio Application Developer (WSAD) RAD, Eclipse, NetBeans, Visual Studio Code |
| Testing Tools | JUnit, Mock objects in Spring, Jasmine, Selenium/Cucumber Web Driver, TestNG |
| Versioning Tools | CVS, SVN, Rational Clear Case |
| Operating Systems | Windows XP/Vista/7/8/10, UNIX, LINUX, Sun Solaris |
| Build Tools | Ant1.7.1, 1.8.4, 1.9.0, Maven2, 3, Jenkins |
| Database Tools | TOAD, MySQL Query Browser, Squirrel SQL Client |
| Protocols | SOAP, LDAP, HTTP, HTTPS, FTP, RMI-IIOP, SMTP, FIX |
| SDLC Methodology | Agile (SCRUM), Waterfall |
| Messaging Tools | JMS, ActiveMQ, Rabbit MQ, Kafka |

**Parexel International Duluth, GA June 2016 - Till Date**

**Sr.Java Developer**

**Description**:

A payer-based health record web based application. It’s a report prepared from claims data submitted by providers to health plans. Health Plans are currently the only stakeholder in the health care system that collects information from almost all providers that their members visit. It provides quick, easy access to patients’ transactions/activities across health care system: 1.Prescription drug history, 2.Lab history 3.Radiology history, 4.History of visits to doctors and hospitals, 5.Immunization history,6.Diagnosis detail.

**Responsibilities:**

* Used **Agile (with Scrum)**methodology to improve productivity.
* Written documentation for requirements analysis, design specifications, user’s guides, installation guides, custom training materials, and project work plan.
* Used **Micro services** Architecture Style for developing Web application.
* Responsible for implementing the workflow and business process management of our application using **Activiti BPM** Platform.
* Used **J2SE, Exception, Collections, Threads, JEE, Open Source Technologies/API** for application development.
* Development of **Web Front End (GUI) using HTML5, CSS3, Bootstrap Framework, JQuery, JSON, XML, JSP**and developed validationsusing **Java Script and AJAX.**
* Developed Proto type using **Angular JS** for single page application development.
* Created the **Node.js EXPRESS** Server combined with **Socket.io** to build **MVC framework** from front-end side **AngularJS** to back-end **MongoDB**, in order to provide **broadcast** service as well as **chatting** service for customer care services.
* Experience in building components with **React.js**
* All the functionality is implemented using **Spring IO** / **Spring Boot**and **Hibernate ORM**. Implemented Java EE components using **Spring MVC, Spring IOC, Spring transactions** and Spring **security** modules
* Build **SOAP** Web Services based on **AWS (Amazon Web Services).**
* **AWS EC2** instances were configured in developing and QA environments.
* Managed servers on the **Amazon Web Services (AWS) platform** instances using **Puppet, Chef** Configuration management.
* Used tools like **Jenkins** and **Bamboo** for Continuous Integration/Continuous Deployment (**CI/CD**).
* Used **Docker file** for creating **Docker** images, worked on managing **Docker** volumes.
* Used **Git** for version control, JRocket - Mission Control for Java Performance Tuning.
* Involved in **Test Driven Development (TDD)** by writing **TestNG test cases** in the coding part of Java methods.
* Performed installations, configurations and deployments using **Tomcat** and **JBoss App Server/WildFly** in Linux Environments.
* **Used** MS SQL Server 2012 database for creating DB tables and **PL/SQL** Stored Procedures and SQL scripts.
* **Used IBM RAD7 as IDE tool to develop the application and JIRAand Confluencefor bug and issue tracking.**
* For Asynchronous processing, we developed internal **Apache Kafka** infrastructure. This is also used for communication between micro services.
* Provided technical support for problems faced by end users. Handled sensitive and critical end-users with ease.
* Provided and updated design, deployment, and release documents and managed code change documentation.
* Worked on re-engineering, updated code and configurations.
* Interacted with quality assurance team to ensure deliverables to internal clients.

**Environment**: JDE 1.8,MS SQL server 2012 database, PL/SQL, Microservices, Tomcat Server, JBoss Application Server, JUnit,**IBM RAD7,** Log4j, JSP, JDBC, JSON, SOAP, REST, Docker, AWS(Amazon Web Services), Git, Kafka, Jira, Confluence, React.js, Node.js, BPM Activiti, MongoDB.

**TD Bank Mount Laurel, NJ Feb 2015- April 2016**

**Sr. Java Developer**

**Description:**

TD Bank provides funds or loans to people with small business requirements. Applicants get their loans sanctioned based on their credit history. The applicant information is maintained in a database along with the details of the loan for repayment. This data is filtered into different categories based on parameters like type of account, loan amount, due date. The filtered data is used for statistics for generating reports

**Responsibilities:**

* Used **Agile/Scrum** methodology to develop the application.
* Developed application using Micro services architectural style
* Developed new business workflows using the **jBPM** tool & deployed them as PAR (Archive) files. Workflows are created to send requests to different service groups for approval, whenever new service requests or complaints are raised.
* Used various Core Java concepts such **as Multi-Threading, Exception Handling, Collection API**s to implement various features and enhancements.
* Involved in coding, maintaining, and administering Servlets, and JSP, JSF components to be deployed on a Web Logic Application server and Apache Tomcat 6.0 application servers.
* Used Spring Core Annotations for **Spring Dependency Injection (**DI) and Spring MVC for REST API s and **Spring Boot** for **micro-services**.
* Configured AWS identity and Access Management Groups and users for improved login authentication and implemented continues Delivery Pipeline with **Docker**, **Jenkins and GIT Hub.**
* Used **Spring MVC** to decouple business logic and view components.
* Created POC for **Spring Batch** for running batch jobs.
* Configured the xml files for **Spring Security** injection to ensure the back-end security by discriminating the role of users as well as access authority for the URIs and Server side assets.
* Configured the xml files for **Hibernate 3** and applied its **Object Relational Mapping ORM** to enable the data transactions between **POJO** and **Oracle Database** using **caching on SessionFactory** as well as **caching on query**.
* Developed a Message Driven Bean that uses **JMS** to manage backend transactions and approval for user loan applications using **Active MQ**.
* Developed the integration techniques using **Apache Camel**.
* Responsible for pagination for the application by integrating **Spring** framework with **Angular JS.**
* Used **jQuery** for creating behavioral aspects of the web page.
* Involved in preparing test cases using **Behavioral Driven Development (BDD)** Framework **Cucumber/Selenium** to validate all UI components, Popups, Browser navigations, Mouse Movements.
* Worked with the NoSQL Database **Cassandra** to manage extremely large data sets.
* Involved in deploying systems on Amazon Web Services Infrastructure services **EC2, S3**, Cloud Formation.
* Installing and automation of application using configuration management tools **Puppet** and **Chef**.
* Written test cases in **JUnit** for unit testing of classes.
* Worked with **Mock** Objects while running the JUnit test cases for batch processing.
* Large Object Tuning (JVM Tuning) to reduce risk with heap fragmentation, consumption, high memory utilization and improve the stability.JProfiler is used for JVM tuning.Used **Apache JMeter** for performance tuning and profiling testing.
* IDE used for development is IBM Rational Application Developer (RAD) and **Eclipse**.
* Used for **Jira** for bug and issue tracking. For Logging, we used **Log4j** Mechanism.
* Consumed Web Services for transferring data between different applications.
* Implemented SSL for authentication and authorization of the application.

**Environment:** Java/J2EE 1.6**,** Spring 3.0, Hibernate, Spring Boot, WebLogic Application Server 10g, Apache Tomcat 6.0, Apache Camel, Performance Tuning, JSP, Servlets, Maven, Apache JMeter, Unix, Cassandra, RESTFUL Web Services, Selenium, Active MQ, Docker, JMS, Java Script, JQuery, XML, XSLT, AJAX, Maven, Agile, Jenkins, JavaScript, TDD, AngularJS, JUnit 3.8, Log4j, CSS, JSP, JSON, SVN.

**TCC Software Solutions, Indianapolis, IN February 2014 – January 2015**

**Role: Senior Java/J2ee Developer**

**Description:**

CCATS: CCATS is the Maryland State Department of Education's (MSDE) Child Care Administrative Tracking System (CCATS). This system supports the state's multiple Child Care providers, Subscribers and members in tracking multiple regulated aspects (both financial and operational) of their activities.

**Responsibilities:**

* Actively involved in requirements gathering, Analysis, Conceptual Design while upgrading the project on **Spring framework**.
* Developed Controllers using **Spring MVC** Annotation.
* Used **Ajax** to communicate with the server to get the asynchronous response.
* Developed the GUI module for mobile website/app using Angular JS framework for JavaScript **HTML 5 & CSS3.**
* Design service to create separate endpoints for different operations such that several clients can invoke the service for their business transaction processing.
* Implemented **SOAP** Web Service for Loan Supply department. Implemented the logging framework in the SOA environment.
* Implemented the business logic to process transactions for rule evaluation under the generated java stubs / **POJO's**.
* Implemented Persistent layer using **Hibernate API.**
* Integrated Hibernate with spring business components using Hibernate Template.
* Implemented User Interface (front-end) screens using **JavaScript** and **Angular JS**.
* Created **Oracle 10g** database tables, stored procedures, sequences, triggers, views
* Create callable statements to utilize stored procedures for faster execution of SQL inserts.
* Create text message using a configuration file for data mapping and utilize Java Messaging Service (JMS) API to the transaction message to other application via Message Queue.
* Implemented Spring **JMS** message senders to send alerts to Tech Support Team from MQ.
* Designed the UML, created class, sequential diagrams using modified code.
* Create AAR/WAR file using **Maven** for deploying/build process.
* Deployed WAR file in **Apache Tomcat (7.0) server / IBM WebSphere (8.0)**
* Used Git to track and maintain the different versions of the application.
* Created **JUnit** test scripts to unit test the code flow.
* Testing and bug fixing to reach the end to end flow.

**Environment:** Java/J2EE, Spring 3.0, Maven, JMS, JUnit, Html, CSS, Hibernate, GIT, JavaScript, Angular JS, Oracle 10g, SOA, Toad for Oracle, DB Visualizer, HP Service Manager, HP Quality Center, HP Event Monitoring and Scheduling, Web Sphere MQ and Web Sphere, Log4j, Apache Tomcat, IBM RAD.

**Travelers Insurance - Hartford, CT November 2012 – December 2013**

**Role: Sr Java\J2EE Developer**

**Responsibilities:**

* Involved in analysis, design and development of e-bill payment system as well as account transfer system and developed specs that include **Use Cases, Class Diagrams, Sequence Diagrams and Activity Diagrams.**
* Involved in business requirement gathering and technical specifications.
* Developed the application using Spring Framework that leverages classical Model View Layer (**MVC**) architecture.
* Developed and flexible, scalable, utilizing open source technologies like **iBatis ORM** and Spring Framework.
* Extensive experience in building GUI (Graphical User Interface) using JSF and ICE Faces.
* Experience using ICE Faces Tag Libraries to develop user interface components.
* Used **JSF, JSP, Java Script, HTML** and CSS for manipulating, validating, customizing, error messages to the User Interface.
* Implemented persistence layer using Hibernate that use the POJOs to represent the persistence database tables. These **POJO**s are serialized Java Classes that would not have the business processes.
* Used EJBs (Session beans) to implement the business logic, **JMS** for communication for sending updates to various other applications and MDB for routing priority requests.
* All the Business logic in all the modules is written in core Java.
* Used **SQL Server** as the backend database using Windows OS. Involved in design of the database schema and development of Stored Procedures.
* Designed and developed Utility Class that consumed the message from the Java message Queue and generated emails to be sent to the customers. Used **Java MailAPI** for sending emails.
* Deployed the applications on BEA Web Logic Application Server.
* Implemented **Spring IOC** for reducing the tight coupling between objects.
* Wrote Web Services using **SOAP** for sending and getting data from the external interface.
* Used **XSL/XSLT** for transforming and displaying reports. Developed Schemas for XML.
* Involved in writing the **ANT** scripts to build and deploy the application.
* Extensively used **Hibernate** in data access layer to access and update information in the **MySQL**database.
* Used **CVS** for version control and Maven as a build tool.
* Used AJAX and JavaScript for validations and integrating business server side components on the client side with in the browser
* Developed **Session Beans** and DAO classes for Accounts and other Modules.

**Environment**: JDK 1.6, J2EE, Eclipse, Spring MVC, Struts 1.3, Java Server Pages (JSP) 2.2, Servlets 3.0, JDBC 4.0, AJAX, Web services, JSON, Java Beans, JavaScript, PDF plugin, MySQL, Agile Methodology, TDD, Design Patterns, JUnit, HTML Unit, XSLT, HTML/DHTML, CSS, Microsoft Visio, Windows

**Safeway** **Pleasanton, CA July 2011 – September 2012**

**Java/J2EE Developer**

**Responsibilities:**

* Developed web pages using **Spring, JSP, Servlets, HTML and JavaScript**.
* Designed and implemented the strategic modules like Underwriting, Requirements, Create Case, Configuration of Business Rules, Business Processes and Responses with Meta data driven.
* Involved in Installation and Configuration of Tomcat, Spring Source Tool Suit, Eclipse, unit testing.
* Involved in Migrating existing distributed **JSP framework** to Spring Framework.
* Developed Ajax framework on service layer for 2 module as benchmark
* Implemented Service and DAO layers in between Spring and JDBC.
* Used **XSLT** for transforming XML documents.
* Designed **Graphical User Interface** (GUI) applications using HTML, JSP, JavaScript (JQuery), CSS, and AJAX.
* Applied **MVC pattern** of Ajax framework which involves creating Controllers for implementing Classes.
* Refactored, re-architected, and enhanced an existing application to follow strict MVVM/MVC patterns for improved source code maintenance.
* Designed and developed the UI using Spring view component, **JSP, HTML, CSS** and **JavaScript**.
* Implemented business process, database retrievals, access of information and User Interface using Java, **Struts**, and Planet Interact Framework.
* Used **Log4j** for logging the application.
* Used JAXB for converting Java Object into a XML file and for converting XML content into a Java Object.
* **Agile methodology** is used for development of the application.
* Developed the presentation layer with **Spring MVC** using JSP and JavaScript.
* Deployed the Application in Jboss Web Server present in Linux environment.
* Deployed project components onto **IBM WebSphere 6**.

**Environment:**Java, SPRING, J2SE 1.4.2, JSP, Servlets, JDBC, Jboss EJB, Java Script, JMS, HTML, CSS3, J2EE Design Patterns, Web Services, AXML, SOAP, MS-SQL Server, Web Sphere 6, BEA Web logic 8.1, Sub Version..

**HTC Global Services, India Duration: January 2009 - June 2011**

**Jr. Java Developer**

**Responsibilities**:

* Involved in development, coding and unit testing server pages using **JSP** and Action Classes in Struts Framework
* Customized views in JSP with HTML, Java Script and CSS
* Extensively used **JavaScript** to handle client-side validations and used Struts validator framework for server-side form validations.
* Developed Templates for page layout and navigation using Tiles.
* Used Various J2EE patterns **like Data Access Object (DAO), MVC and Singleton, Session Façade** to ensure robust, flexible, configurable and extensible application
* Used **Spring 3.0 Framework** for Dependency injection and integrated with JDBC.
* Developed RESTFUL web services using JAX-RS.
* Designed and developed Unit testing using **JUnit**.
* Developed Ant scripts to build and deploy the applications
* Involved in Integration of Modules.
* Developed unit test cases and executed by conducting the peer reviews.

**Environment:**J2EE, JSP, Servlets, Java Beans, Struts1.1, HTML, DHTML, CSS, REST, JAX-RS, WebSphere Application Server, Tomcat, Oracle 9i.