**HEMONTH MANDAVA**

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**Career Overview**

* Hello, my name is Hemonth Mandava. I am a self-taught back-end developer. I primarily focus on writing clean, elegant, and efficient code.
* I have over **7 years of experience** in implementing Java/J2EE projects, working through Analysis, Design, Development, Testing, Implementation in Client/Server and web based n-tier architecture systems.
* Experience in designing and developing web based enterprise applications using **J2EE technologies** like **Servlets, JSP, EJB/JPA, JSF, Ajax, Hibernate, Spring, JDBC, JNDI, JMS, Java Beans, JAXB, SAX/DOM, Web services, XML, XMLBeans and UML**.
* Proficient in **SPRING** framework and hands on experience of implementing **SPRING MVC, SPRING AOP, SPRING WEB FLOW, SPRING SECURITY**.
* Proficient in **ORM (Object Relational Mapping) Tools** like **Hibernate**.
* Strong Experience working with Databases such as **Oracle, MySQL, DB2, MongoDB**.
* Developed stored procedures and queries using **SQL**.
* Good Familiar with **Taglibs** and other directives to provide functionality to the **JSP** pages.
* Experience in client side designing and validations using **HTML, Java Script, jQuery, AngularJS**.
* Extensive knowledge of all the **Object Oriented Programming** concepts (Abstraction, Inheritance, Encapsulation and Polymorphism).
* Very good Knowledge of **Agile** Software Development Methodology.
* Very good Knowledge in design patterns including **Front Controller, Data Access Object, Session Façade, Business Delegate, Service Locator, MVC, Data Transfer Object** and **Singleton**.
* Expertise in **Object Oriented Analysis and Design (OOAD)** using **Unified Modeling Language (UML)** by using Rational Rose.
* Good knowledge on functional style of programming using **Java 8 Lambda Expressions**.
* Extensively worked with Web Services using **SOAP**, **REST** and also have good knowledge on **OAuth**.
* Experienced in the functional usage and deployment of web applications in **JBoss, WebLogic, WebSphere** and **Apache Tomcat**.
* Extensive experience in **Eclipse IDE**, **NetBeans** and also worked with **Spring STS**.
* Involved in all phases of Software Development Life Cycle **(SDLC)** including **Requirements gathering, Analysis, Design, Reviews, Coding, Unit** and **Integration Testing**.
* Used **Log4J** for enabling runtime logging.
* Good knowledge with versioning tools like **CVS, SVM** and **GIT**.
* Ability to learn and adapt quickly to new environments and emerging new technologies.
* Self-motivated and able to work in challenging environment. A team player with good communication and interpersonal skill

**Technical Proficiencies**

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| Languages | Java, C, C++, SQL, PL/SQL, UML, XML. |
| Web Technologies | JSP, Servlets, JNDI, JDBC, JSTL, JMS, JPA, EJB, Web Services, SOAP, WSDL, JAX-RS, HTML, CSS, Java Beans, JavaScript, AngularJS, JQuery, Bootstrap, AJAX. |
| IDE & Editor | NetBeans IDE, Eclipse IDE, Spring STS, Sublime Text, Atom. |
| Application Servers | Apache Tomcat, WildFly, Glassfish. |
| Frameworks | Struts, Spring (Dependency Injection, Spring MVC, Spring Core, Spring Context, Spring AOP, Spring DAO, Spring IOC, Spring Security), Hibernate, Log4j, Activiti BPMN2. |
| Tools | Maven, Jenkins. |
| Database | Oracle, MySQL, SQL, DB2, HSQL. |
| Design Patterns | MVC, Singleton, Business Delegate, Service Locator, Session Facade, DTO, DAO, Factory Pattern etc… |
| Operating Systems | Windows 2000, XP, Windows7/8/10, Mac OS, Unix, Linux. |
| Version Controls | Liquibase, SVN, GIT, CVS. |

**Work Experience**

**Client : System Soft Technologies**

**Location : Plano, TX**

**Duration : September 2015 – Till Date**

**Project : Portal Development**

**Role : Java Developer**

**Description:** The project is to support the administration to provide a single point of access to enterprise data and applications, presenting a unified and personalized view of that information to employees, customers, and business partners.

**Responsibilities:**

* Designed, developed, debugged and tested the web based application using the J2EE architecture.
* Implemented in Agile Scrum.
* Worked closely with the business team to get the clarification on requirements.
* Developed Restful Web Services as End point to share the data using JSON as messaging medium.
* Converted JSON to Java objects as part of consuming Restful Web services.
* Used Spring framework to implement MVC design pattern.
* Adapted various design patterns like Spring MVC, Data Transfer Object (DTO'S), Data Access Objects (DAO's)
* Developed SQL, PL/SQL and Stored Procedures on MySQL.
* Implemented a Test Management System using SQL Stored Procedures and Shell scripts to automatically create Test Data.
* Extensively used Hibernate in data access layer to access and update information in the database.
* Used Spring Framework for Dependency injection and integrated with the Hibernate.
* Used different web technologies like CSS 3, HTML 5 and Angular JS to create single page web Application.
* Implemented client side data validations using JavaScript, jQuery.
* Used Maven for the build scripts.
* Implemented Log4j for logging purpose in the application.
* Used Git and Liquibase for version management.
* Developed & deployed the application in on Tomcat Application Server and Supported the Production Releases.
* Used Markdown for application documentation.

**Environment:** JAVA, JDK 1.8, J2EE, Hibernate 3.6, Spring MVC, Maven, JDBC, Restful, jQuery, Angular JS, JavaScript, Git, Liquibase, JUnit, Tomcat Application Server, MySQL, Log4J.

**Client : Amex**

**Location : Phoenix, AZ**

**Duration : January 2013 – August 2015**

**Project : Merchant Locator and Recommendation Tool**

**Role : Java Developer**

**Description:** Merchant Locator and Recommendation Tool that will help Corporate Card Members identify Amex-accepting merchants on the road and provide contextual dining recommendations based on Corporate Card spend and personal Corporate Card spend. The tool will be housed in a responsive, single page application and can be accessed in English language in US / UK / AUS and other markets with high Corporate spend. Tool will provide recommendations with various rationales (Frequented by Corporate Card Members etc.) across the major T&E categories. The tool will leverage merchant data and will be supplemented by Trip Advisor data. Incorporated existing Travel Tips platform with a seamless transition and will be helpful in easy search for Amex-accepting merchants. Tool also provides ATM’s information i.e., list of all the ATM’s and their address located nearby or based on search location. In order to fetch all the ATM’s information we are consuming ELBS (Enterprise Location Based Services) System. Merchant’s information will be shown on Google map using the markers. In order to fetch all the merchants’ information we are interacting with Big Data.

**Responsibilities:**

* Design modifications or code implementation and test criteria for the projects and releases.
* Implemented the application using Restful Web services, spring data rest, spring data JPA and Hibernate.
* Used the Restful Web services for all the business components to communicate with each other.
* Developed components of REST web services end to end, using different Annotations with clear understanding on PUT, GET, POST and DELETE operations.
* Used Rest Client Tool extensively to test the Web services with different possibilities of input parameters in the JSON Request and analyzed the JSON Responses.
* Developed Web services to allow communication between the applications using REST Web services
* Used Spring ORM to integrate Spring Framework with hibernate.
* Use spring repositories and implement Spring DTO to fetch the data from the database and represent on client-side.
* Used Spring AOP module to handle transaction management services for objects in Spring-based application.
* Used AngularJS as the development framework to build a single-page application.
* Used Spring Web MVC framework for the applying MVC Implementation to the web application.
* Developing Hibernate Configuration files for Oracle 11g and MongoDB.
* Developed & deployed the application in on JBoss Application Server and Supported the Production Releases.
* Leveraged angular resources for all data access, encapsulating URLs and standardizing data access interfaces.
* Develop front end view using HTML5, JSP, JavaScript, AngularJS and CSS3.

**Environment:** HTML5, CSS3, Java 7, Spring Security 3.1, AngularJS, spring ORM, Spring Data JPA, Spring Rest, SVN, NetBeans, Oracle 11g, MongoDB.

**Client : Amica Mutual Insurance**

**Location : Dallas, TX**

**Duration : May 2012 – December 2013**

**Role : Sr. Java/J2EE Developer**

**Description:** Amicamutual insurance offers auto and property insurance coverage and related services to employer groups, government sponsored plans, and individuals. The project was to develop a web application which is used to process auto and property (home-owner, renter, and condo) insurance. It allows users to run a quote to get their estimates for auto and property, and Purchase policy through online, and to recall quotes.

**Responsibilities:**

* Worked in Agile methodology environment including Test Driven Development with Continuous Integration/Delivery.
* Actively participated in the daily SCRUM meetings to produce quality deliverables within time.
* Implemented spring IOC to resolve dependency injection.
* Developed the entire application implementing MVC Architecture integrating **Hibernate** and **spring** frameworks.
* Involved in building service and repository layers.
* Used Maven to build, run and create JARs and WAR files among other uses.
* Implemented Hibernate in the data access object(DAO) layer to access and update information in the Oracle11g Database
* Wrote test cases in **JUnit** for unit testing of classes.
* Implemented Service Oriented Architecture (SOA) using **JMS** for sending and receiving messages while creating web services.
* Created **dynamic** **HTML** page using **AngularJS**, and **AJAX** to create interactive front-end **GUI**.
* Consumed and leveraged **SOAP** over HTTP (XML Schema XSD) and **Restful web services** in Services layer.
* Involved in coding, maintaining, and administering **Project artifact** deployed on a JBoss Application Server.
* Used Eclipse IDE for developing code modules in the development environment
* Implemented the logging mechanism using **log4j** framework
* Used **SVN** version control to track and maintain the different version of the project.
* Worked on a variety of defects to stabilize application.

**Environment:** Java/J2EE 1.6, Spring 3.0, Hibernate 3.5.6-Final, JBoss Application Server, SOAP, Restful, Unix, SQL Server (R2 – Enterprise Edition), HTML, CSS, AJAX, AngularJS, Eclipse, Maven 3.0, JUnit 3.8, Log4j, SVN.

**Client : Aetna**

**Project : Health Insurance Applications**

**Location : Dallas, TX**

**Duration : February 2011 – April 2012**

**Role : J2EE Developer.**

**Description:** Aetna is one of the leading Health insurance providers in USA. It offers affordable Health insurance. The project involves developing online services for Health insurance like get a quote, buy insurance, make a payment, manage policies and claim a report. Users can get a quote Online and buy the insurance online.

**Responsibilities:**

* Analyzed and developed UML with Rational Rose including development of class diagrams, sequence diagrams, use case diagrams and activity diagrams.
* Built the Application based on Rational Unified Process (RUP)
* Developed using the MVC architecture and employed the Struts Framework and used Validation Framework and Tiles Framework as a plug-in with struts.
* Developed user interface using JSP, JSP Tag libraries (JSTL) and Struts Tag Libraries
* Implemented the Middle Tier employing design patterns like MVC, Business Delegate, Service Locator, Session Facade, Data Access Objects (DAO's)
* Used EJBs in the application and developed Session beans to house business logic at the middle tier level.
* Used Java Message Service (JMS) for reliable and asynchronous exchange of important information
* Extensively used Hibernate in data access layer to access and update information in the database.
* Implemented various XML technologies like XML schemas, JAXB parsers for cross platform data transfer.
* Extensively worked on XML parsers (SAX/DOM).
* Used WSDL and SOAP protocol for Web Services implementation.
* Used JDBC to access Oracle database for accessing customer information.
* Developed application level logging using Log4J.
* Used JUnit to do the unit testing.
* Extensively used Tomcat Application server for development.
* Used CVS for version controlling and JUnit for unit testing.
* Involved in documenting the application Used XSLT for transforming the XML documents into other formats.

**Environment:** JAVA, J2EE 1.4, NetBeans6.0, Tomcat Application Server, WSAD 5.1.0, JSP 1.2, EJB2.0, Struts1.1, JMS, JDBC, JNDI, XML, XSL, XSLT, WSDL, SOAP, Hibernate 2.0, RUP, Rational Rose (2000), Log4J, JUnit, CVS, Oracle.

**Client : Infinera**

**Location : Sunnyvale , CA**

**Duration : June 2009 – December 2010**

**Role : Java Developer.**

**Description:** Infinera is a privately held semi-conductors company. It’s a Client\Server application designed to maintain customer accounts and support the business functions and financial transactions. Application is designed for operators in the lab. The application is used to create new recipes for the existing tools, maintain the status of the tools, tool priorities etc.

**Responsibilities:**

* Responsible for overall design and analysis of EXTJS UI Component development and integration with backend J2EE and brought the rich look and browser compatibility.
* Involved in developing JSP pages and Servlets and using TagLibs for the web tier and validating the client data using the Java Script and deployed the applications on Tomcat Application Server.
* Maintained good support with Business Analyst and Business Users to identify information needs as per business requirements.
* Designing web pages for HTML files that supports AJAX component, Rich design time UI to use AJAX libraries
* Involved in designing and developing of Object Oriented methodologies using UML and created Use Case, Class, Sequence diagrams and also in complete development, testing and maintenance process of the application.
* Involved in High Level Design and prepared Logical view of the Application.
* Coding Test Classes using  Junit  for unit testing, Performed functional integration system and validation testing.

**Environment:** Java 6, Apache Tomcat, Database (Oracle), EXTJS, JSP, Servlets, HTML, DHTML, Ajax, JSON, CSS.

**Educational Background**

**Bachelor's Degree: AMRITA University, India.**