**Deepthi Reddy**

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**PROFESSIONAL SUMMARY**

* 8+ years of experience in Software Development Life Cycle (SDLC) including Requirement Analysis, Design and Coding, Application Implementation, Unit testing and System Testing, Functional and Regression Testing and Production Support of Object Oriented Analysis and Design using **Java /J2EEtechnologies**.
* Proficient with Software development methodologies like **Agile (Scrum) Methodologies** and **Waterfall methodologies.**
* Experience in developing the User Interface Rich Web Applications and Web Service Applications using User Interface Technologies like **HTML5, CSS3,JavaScript, JQuery, AngularJS, Ajax, bootstrap Chrome-Developer Tools, Mozilla-Firebug and Internet Explorer-Developer Tollbar.**
* Expertise in developing web-based enterprise applications using **core Java, J2EE, Servlets, JSP, EJB, JMS, JDBC, JDWP, Hibernate, Web Services (SOAP** and **REST), MVC framework (Struts, Spring MVC), SQL and Object Oriented Programming techniques.**
* Proficient in core java concepts like **Collection Framework**, **Multi-threading**, **Generics**, **Annotations**, **Serialization, Thread pools, JavaBeans, Externalization.**
* Extensive experience working in **spring framework, Struts framework, O/R Mapping Hibernate framework** and **web services.**
* Experience in designing, developing, and deploying Java/J2EE applications on **Web sphere, Web logic, Apache Tomcat** and **JBoss** application Servers.
* Managed **Amazon Web Services** like **EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Elastisearch, Virtual Private Cloud (VPC)** through AWS Console and API Integration.
* Proficient in developing **Web Services**, related technologies &frame works**: WSDL, SOAP, REST, JAX-WS, JAXB, JAX-RPC, AXIS and Jersey, SOAP UI** and generating client’s client using Eclipse for Web Services consumption.
* Experienced in implementing **Service Oriented Architecture (SOA) with XML based Web Services (SOAP/UDDI/WSDL)** using Top Down Approach and Bottom up Approach.
* Experience in implementing client - server business applications using **Microservices.**
* Extensive experience working with RDBMS such as **MySQL**, **MS SQL Server, DB2, Oracle** and with the **NoSQL** Database like **MongoDB** to manage extremely large data sets.
* Experience in implementing Design Patterns like Singleton**, Factory, MVC, Data Access Object** and **Business Delegate.**
* Experience with **MOCKITO, TDD** and **Junit** in developing test cases and determining application functionality.
* **Configured and created** application **log files using Log4J** to trace required application messages.
* Hands on experience in building tools like **ANT, Maven, Gradle**.
* Actively involved in the **DevOps** streamlining process through **Jenkins** CI and **CD** Release Automation.
* Having Experience on **UNIX** commands and Deployment of Applications in Server.
* Ability to work effectively on the **Linux** and **OSX** platforms.
* Ability to work effectively in cross-functional team environments and experience of providing training to business users.
* Good understanding of Business workflow, Business logic and Business methods for further implementation of user requirement in a distributed application environment.

**TECHNICAL SKILLS**

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| **Languages** | Java, J2EE, C, C++, SQL, PL/SQL |
| **Enterprise Java Technologies** | JSP, Servlet, JNDI, JDBC, Log4J API, Java security |
| **Mark**-**up/XML Technologies** | HTML, XHTML, DHTML, JavaScript, CSS, XML, XSD, XSL/XSLT, SAX/DOM, JQuery, JSON, |
| **Tools & Framework** | Struts, Hibernate, JPA, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Batch, Spring BOOT, Spring Security, Spring DATA, Spring ROO, JSF, Log4J, JUnit, Jasper reports, soap UI. |
| **Web services** | SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS JAX-WS, Axis2, Amazon Web Services (AWS), MicroServices. |
| **Web/App Servers** | Web Sphere, Web Logic, Apache Tomcat, JBoss |
| **Database** | Oracle, SQL-Server, MySQL Server, MongoDB. |
| **Development Tools** | Eclipse, My Eclipse, RAD, Spring Tool Suite STS, Net Beans |
| **Version Control** | GIT, CVS, SVN, Rational Clear Case |
| **Modeling/CASE Tools** | Rational Rose, MS Visio Professional |
| **Testing Tools/ Others** | JUnit, SoapUI, Putty, WinSCP, Rational Clear Quest, RTC, Star Team, Mantis, Mockito, Fitnesse |
| **OS & Environment** | Windows Vista/XP/2000/NT, Sun Solaris UNIX, LINUX |
| **Design Patterns** | MVC, Front Controller, Singleton, Business Delegate and DAO patterns |

**PROFESSIONAL EXPERIENCE**

**Client: Enterprise Holdings Inc. Dec’15 – Till Date**

**Location: St. Charles, MO**

**Role: Software Engineer   
Description:** Risk Management is responsible for overseeing and controlling risks related to all aspects of the business. The application suite includes operational products used to process and manage claims, as well as reporting solutions for business analysis and monitoring.  The team serves an ever-growing need to leverage technological solutions for more efficient and cost effective processes that allow business leaders to make decisions in a dynamic environment.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (**SDLC**) such as requirements gathering, modeling, analysis, design, development and testing.
* Involved in Daily Scrum(**Agile**) meetings, Sprint planning and estimation of the tasks for the user stories, participated in retrospective and presenting Demo at end of the sprint.
* Developed the User Interface Screens for presentation using **AngularJS, Ajax, JavaScript and HTML**.
* Expertise in developing single page applications using **Angular JS**, using various angular modules
* Experience in implementing Auto Complete/Auto Suggest functionality using **Ajax, JQuery, DHTML, Web Service call** and **JSON.**
* Responsible for implementing the business requirements using **Spring MVC**, **Spring Boot, Spring Data and Spring Security.**
* Designed and Developed third- party Payment Services to Offer Users Convenient Payment Methods Using Various **APIs** Provided by various **third party** payments processor based on **OAuth2.0** Protocol
* Extensively used **Struts** features like TILES, validator framework for developing User Interface Screens.
* Responsible for maintaining and expanding our **AWS** infrastructure using **AWS (EC2/EBS).**
* Implemented **Spring Boot** with **Microservices** to divide the application into various sub modules.
* Implemented the application using **Spring MVC** Framework and handled the authentication, authorization, and access-control features by using **Spring Security.**
* Also, used the **Spring IOC** feature to get **hibernate** session factory and resolve other bean dependencies.
* Developed web services and published in **SOA** environment.
* Implemented **Web-Services** to integrate between different applications components using **RESTFUL** using **Jersey**.
* Developed **RESTFUL** Web services for transmission of data in **JSON** format.
* Used **MongoDB** as data storage and utilized aspects like replica sets, sharding and clever document design to make service extensible scale and feature wise.
* Developed Database Procedures for updating, Inserting, and deleting table for a complete **logical Unit of Work (LUW)** using **PL/SQL** under **Oracle Database Server**.
* Design and develop custom **pipes (JMS, Web Services and SQL**) for mandates & accounts to flow into various processing systems.
* Actively used the defect tracking tool **JIRA** to create and track the defects during QA phase of the project.
* Worked with **WebSphere** application server that handles various requests from Client.
* Deploying fixes and updates using **IBM WebSphere** application server.
* Used **MAVEN** in each project to automate the builds and managing project
* Developed test cases using **Junit** and the build scripts using **Maven.**
* Used **Git** to maintain the version of the files and took the responsibility to do the code merges and creating new branch when new feature implementation starts.

**Environment:** Java, Servlets, JSP, HTML, JavaScript, JQuery, Ajax, Bootstrap, AngularJS, Hibernate, Spring MVC, Spring IOC, Spring boot, spring security, Struts, OAuth 2.0, XML, MVC, Star UML, JUnit, Maven, WebSphere, Apache AXIS, RESTful, SOAP UI, SOA, JAX-WS, Sun Metro stack, Amazon Web Services(AWS), Log4J, Oracle, Mongo DB,Git, JIRA and Spring Tool Suite.

**Client: United Health Group May’14 - Nov’15**

**Location: Plymouth, MN**

**Role: Java/J2EE Developer**

**Description:** The Direct Project develops specifications for a secure, scalable, standards-based way to establish universal health addressing and transport for participants (including providers, laboratories, hospitals, pharmacies and patients) to send encrypted health information directly to known, trusted recipients over the Internet.The Nationwide Health Information Network is a set of standards, services and policies that enable secure health information exchange over the Internet. Several Federal agencies and healthcare organizations are already using Nationwide Health Information Network standards to exchange information amongst themselves and their partners.

**Responsibilities:**

* Planning, analysis, design and implementation of different modules using **Agile (Scrum) Methodology**.
* Created user-friendly GUI interface and Web pages using **HTML, Angular JS, JQuery and Java script**.
* Used **Spring MVC**, **AJAX** and **Dependency Injection** for handling presentation and business logic.
* Implemented Message level security for web service client using **X509** certificates to sign and encrypt SOAP requests and response.
* Developed **AJAX** scripting to process server side **JSP**scripting.
* Developed user-friendly interface to seamlessly combine the new module with existing login system by using **AngularJS**
* Developed the view-controller components using **Servlets/JSPs, JavaScript, CSS, HTML and DHTML**
* Implemented **SOA** architecture with **Web Services** using **SOAP, WSDL, UDDI and XML using Apache CXF framework tool/Apache Commons.** Worked on parsing the **XML** files using **DOM/SAX** parsers.
* Implementing**JSF**basedframeworktopresentthedatatotheuser.
* Implemented **Dependency Injection** (IOC) feature of spring framework to inject beans into User Interface and **AOP** for Logging.
* Developed the **JSON** structure for the data transfer in between the Goggle Web Toolkit (**GWT)** and business tier
* Developed the service layer, a layer that acts a bridge between the presentation layer and data access layer, with **Spring** framework
* Configured development environment using **JBOSS** application server for developers integration testing
* Developed persistence Layer using **Hibernate** to persist the data and to manage the data
* Developed **Hibernate** configuration files and queries and Implemented **DAO** classes
* Used **TOAD** to get connected to Oracle to access the backend **Oracle Database for verifying** and validating the data inserted.
* Developed unit testing frame work using **JUnit** test cases for continuous integration testing and used **JTest** Tool for performance testing
* Developed the build scripts using **Maven**
* Used **JIRA** for design, and Quality Centre for **bug** tracking.
* Used **Eclipse** as the IDE and used eclipse standard/ plug-in features for editing, debugging, compiling, formatting, build automation, test case template generation, mutator/accessor code generation and version control (**SVN**)

**Environment**: Java, J2EE, JavaScript, AngularJS, Hibernate, Spring, XML, Tortoise SVN, JSP, DB2, MVC, Agile, JUnit, Maven, UML, JAX-WS, JAX-RS, Log4J, Oracle 10g, Agile methodology, JBoss , Eclipse, PL/SQL, JBOSS.

**Client: Wells Fargo Bank Jun’11 - Apr’14**

**Location: Charlotte, NC**

**Role: Java/J2EE Developer**

**Description:** AES application is meant to automate the enrollment process for the various products the Wells Fargo Bank offers to the customers. It involves bank personnel filling up the Sales Order Forms and Product Enrollment Templates (PETs) in AES to enroll the customers to different products. The rationale for such a solution is to expedite the enrollment process by tracking and managing it through AES and thus reduce the overall time spent on enrollment per customer. It acts more of as an infrastructure tool across the enterprise rather than a specific application for a business group in the enterprise. There are about 82 products presently, for which AES enrolls the customers of Wells Fargo bank. AES is flagship project on Wells Fargo Account started in Apr 2001.

**Responsibilities:**

* Involved in various Software Development Life Cycle (**SDLC**) phases of the project like Requirement gathering, development, enhancements using **agile** methodologies.
* Developed the user interface using **Spring MVC, JSP, JSTL, JavaScript, Custom Tags, JQuery, HTML** and **CSS**.
* Used **Spring** MVC for implementing the Web layer of the application. This includes developing Controllers, Views and Validators.
* Developed the service and domain layer using Spring Framework modules like **Core-IOC, AOP.**
* Implemented the caching mechanism in **Hibernate** to load data from Oracle database.
* Developed the Application Framework using **Java, Spring, Hibernate** and **Log4J**.
* Created **DB tables**, **functions, Joins** and wrote prepared statements using **SQL.**
* Configured **Hibernate session factory** in applicationcontext.xml to integrate **Hibernate** with **Spring**.
* Configured **ApplicationContext.xml** in **Spring** to adopt communication between Operations and their corresponding handlers.
* Developed Spring rest controllers to handle JSON data and wrote Dao’s and services to handle the data.
* Created **DB tables**, **functions, Joins** and wrote prepared statements using **PL/SQL.**
* Consumed and Create **RESTWeb services** using **Spring** and **Apache CXF**.
* Developed **MySQL** stored procedures and triggers using **SQL** in order to calculate and update the tables to implement business logic.
* Used **Maven** to build the application and deployed on **JBoss** Application Server.
* Used IntelliJ for development and **JBoss** Application Server for deploying the web application.
* Monitored the error logs using **log4j**.
* Implemented **Spring JMS** message listeners with JMS queues for consumption of Asynchronous requests.
* Used AOP concepts like aspect, join point, advice, point cut, target object and also **AOP** proxies.

**Environment:** Java, J2EE, XML, HTML, CSS, JQuery, JavaScript JSP, Spring, JBoss, log 4j, Tortoise SVN, Hibernate, REST web services, Maven, SOAP UI, Eclipse Kepler, MySQL.

**Client: Navayuga InfoTech Feb’09 - May’11**

**Location: India**

**Role: Java/J2EE Developer**

**Description:** NIT is focused on conveying driving edge, creative and top notch business arrangements, which guarantee client delight. A solid spotlight on procedures, adaptability in conveyance models and enduring organizations give the most elevated amount productivity and consumer loyalty.

**Responsibilities:**

* Developed web application using **Struts,JSP, Servlets, Java beans** that uses MVC design pattern
* Created user-friendly GUI interface and Web pages using **HTML, CSS** and JSP
* Wrote JavaScript for client side validation.
* Used Eclipse as IDE tool for creating **Servlets**, **JSP**, and **XML**.
* Wrote SQL for JDBC prepared statements to retrieve the data from database.
* Monitored the logs using **Log4J** and fixed the problem
* The application was deployed on the **Tomcat.**
* Involved in build and deploying the application using ANT
* Used **CVS** as version control system
* Worked on bug fixing and Production Support.

**Environment**: Java, JDBC, Struts, JavaScript, HTML, CSS, JSP, Servlets, Tomcat, Oracle, Eclipse IDE, CVS, ANT, Log4J.