**NEHA REDDY**

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**Professional Summary:**

* **7+ Years** of experience as a **Sr. Java/J2EE Developer** in developing high-level architectural design, determined project feasibility by analyzing user needs and software requirements.
* Experience with various **J2EE** design patterns like **Singleton, Command, Factory, Observer, Front Controller, DTO, DAO, MVC, Session Facade, Business Delegate, Service Locator**, Transfer Object and View Object in the development of enterprise applications.
* Extensive development experience in web applications using **Java 8/7/6/5,** J2EE, JSP, Servlets, and APIs like **JDBC, JNDI, XML, JavaBeans**.
* Solid foundation in software programming concepts of **OOPS and OOAD**.
* Experienced in front end technologies like **HTML, DHTML, JavaScript, JSTL, JQuery, CSS, AJAX**, **Bootstrap, AngularJS, ReactJS** and server scripting languages like **NodeJS.**
* Hands on experience in developing both **SOAP (JAX-WS) and RESTful (JAX-RS)** Web Services.
* Expertise in server-side development with **spring 4.0/3.0/2.5, Hibernate 4.0/3.0/3.0, Struts 2.0, EJB 2.0/3.0JDBC, Servlets, MVC architecture.**
* Experienced in Service Oriented Architecture **(SOA**) and several components like **UDDI, Axis and JAX-WS** and also used **API’s** like **JAX-WS, Jersey and Jackson.**
* Extensive usage in Core Java involving concepts like **Collections, Multithreading, Data Structures, Algorithms, Exception Handling and Polymorphism**.
* Experience in using **JDBC and ORM** tools like **JPA, Hibernate** for persisting data to different relational databases.
* Experience in working on various servers like **Web logic 10.3.4/9.0/7.1/6.1**, **IBM WebSphere 6.0/5.x** and **Apache Tomcat**.
* Expertise skills in **JSP, Enterprise Java Beans, RMI, JNDI and XML** related technologies including **XPath, XSLT and XSD (DOM, SAX, and JDOM)**.
* For Communication between middleware components, worked with **IBM MQ Series, JMS, Kafka** and **ActiveMQ**.
* Expertise working with **SOAP, Rest** and **Micro services** using CXF, Jersey.
* Thorough knowledge and experience of relational Databases like **Oracle 9i/10g, SQL Server**, **MySQL 3.x/4.x/5.x and PL/SQL**
* Used source control systems like **Git and Subversion SVN**.
* Involved in dealing with **CI/CD** tools like **Jenkins, Git Stash.**
* Experience of working with open source tools like **Apache ANT**, **Maven** Open Source Servers like Apache Tomcat.
* Knowledge on creation of **Docker** containers and Docker consoles for managing the application life cycle.
* Deployed containers and **Micro services** in **AWS** using EC2 Container Services. Designed, configured and deployed Amazon Web Services (AWS) for a multitude of applications utilizing the Amazon cloud formation.
* Experience building **REST API's** in Java and **NodeJS** using spring boot and Express’s respectively.
* Knowledge in Cloud automation using **AWS** Cloud Formation templates to create custom sized VPC, subnets, **NAT, EC2** instances, **ELB and Security groups**.
* Extensive usage of different IDEs like **Eclipse, Rational Application Developer (RAD), Spring Source Tool Suite (STS), IntelliJ**.
* Experience in unit testing the applications using **JUnit** Framework and developed logging and standard mechanism based on **Log4Jand Slf4J**.
* Knowledge in Hadoop technologies like **PIG, Hive** and **Sqoop**.
* Working experience on NOSQL databases like **Mongo DB**.
* Goal Driven Developer with comprehensive understanding of various software development approaches such as **SDLC, Waterfall** and **Agile Scrum methodology**.

**TECHNICAL SKILLS:**

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| **Programming Languages** | C, C++, .NET, JAVA 1.8, 1.7, J2EE, SQL, PL/SQL, Python, PHP |
| **Web Technologies** | XML, XHTML, HTML5, JavaScript, JSP, JSF, JPA, CSS3, AJAX, JSF, JQuery, AngularJS, JSON-Parsing, JSON-DTD, NodeJS, ReactJS. |
| **Databases** | Oracle 9i/10g/11g/12c, MS SQL Server 2012, 2008, MySQL, DB2, MongoDB, Cassandra, Postgre SQL, PL/SQL |
| **Architecture** | ORM, Client-Server Architecture, Micro Services, SOA, MVC, Service Facade |
| **XML/Web Services** | XML, XSL, XSLT, Xstream, JAXB, SOAP(JAX-WS), REST(JAX-RS, Jersey), WSDL |
| **J2EE Technologies** | Servlets, Struts, EJB 2.0, JSF, JDBC, JSTL, JNDI, JMS, RMI, Java Bean |
| **Messaging** | JMS, ActiveMQ, Kafka |
| **Frameworks** | Struts 1.x/2.x, Spring Core, Spring4 MVC, Spring Security, Spring ORM, Spring AOP, Spring DATA, Rest-Spring, Spring JDBC, EJB, Servlets, JDBC, Spring Boot, JSF. |
| **ORM Tools** | Hibernate, JPA persistence, XSL/XSLT. |
| **IDE** | Eclipse, Net Beans 7.0, IntelliJ, Visual Code, Visual Studio |
| **Application/Web Servers** | Apache Tomcat 6.0, IBM Web Sphere 8, Oracle Web Logic, WAS, JBoss 4.0 |
| **Version Control** | SVN (Apache Subversion), Git |
| **Operating Systems** | Windows XP/Vista/7/8/10, UNIX, Linux. |
| **UML Tools/ other tools** | Apache ANT, Maven, JUNIT, Jira, Clear Quest, Bugzilla, Jenkins, MS Visio, Log4j, Star, Selenium, Mockitto, Karma, Jasmine, Swagger, SoapUI, Work Bench |
| **AWS** | EC2, RDS, S3, ELB, SNS. |

**Work Experience:**

**Fannimae, Herndon, VA July’ 17- Present**

**Sr. Java/J2EE Developer**

**Financial service**

Fannie Mae is a publicly traded company, whose purpose is to expand the secondary mortgage market by securitizing mortgages in the form of mortgage-backed securities In Fannimae I worked on a project called Common Cash Flow Application (CCFA), it is a risk modelling application which hosts component models and logic that calculate loan-level mortgage cash flows over a set of simulated economic scenarios for the purpose of forecasting income and losses for the Single-Family mortgage book of business. In addition, application will include analytics for Business performance reporting, Loss Forecast, Economic Capital Risk Modelling and Integrated model back test.

**Responsibilities:**

* Involved in **SDLC phases** like Requirements gathering, analysis, design, development, testing and Maintenance phases of Application. Implementing the project in agile methodologies scrum.
* Expertise in **Core Java concepts** such as multi-threading, collections, garbage collection and other JEE technologies during development phase and used different design patterns.
* Hands on experience in **spring framework** to inject services, entity services, transaction management, rapid transaction processing systems and concerns by factory class corresponding to the use case operation executing.
* Implemented the application using spring concepts - **Spring MVC, Spring AOP, Spring DI, Spring IOC, and Spring Batch.**
* Used Hibernate to create data layer to the services to do CRUD operations in to DB.
* Experienced in the implementation of **DAO using Spring-Hibernate ORM**.
* Developed & consumed the web services using **Apache CXF, JAX-WS, AXIS, WSDL, and SOAP**.
* Expertise in Restful web services using **JAX-RS and CXF tool**.
* Configured and utilized **ActiveMQ** queues for asynchronous communication between applications
* Deployed web services and tested using **SOAP UI tool**.
* Used **Maven** as a build tool and retrieved all the dependencies required for the application.
* Involved in unit testing **using JUNIT with Mockito**, Integration testing and system testing.
* Created **GIT sub modules** and performed code merges and resolved conflicts.
* Experienced in Spring Beans to encapsulate business logic and Implemented Application **MVC Architecture** using Spring **MVC framework**.
* **Java Message Service** (JMS) API is used to allow application components to create, send, receive, and read messages.
* Involved in developing code to convert a **SOAP** response in to a **JSON** object and construct a tree in UI.
* Implemented Application backend as **Node JS Express Application server.**
* Wrote SQL, PL/SQL and stored procedures as part of database interaction.
* Involved in the data migration from **SQL Server to PostgreSQL.**
* Wrote unit test cases using Mocha framework.
* Used tools like **Swagger, Postman** to test REST based services.
* Used **GIT** Repository as version control tool.
* Used **Kafka** to publish data to number of systems.
* Maintained Interface compatibility and concurrency in the project using Java 1.8 new features like **Lambda expressions, default, static methods and Concurrency API**.
* Worked with testers on **bug fixing** and improving APIs performance.
* Used HTML5, XHTML, DHTML, Java Script, AJAX, JQUERY, XML, XSLT, XPATH, JSP and Tag Libraries to develop view pages.
* Used AngularJS for single page application and framework to bind HTML to JavaScript objects.
* Implemented various Java design patterns like Front Controller, **Service Locator, Business Delegate, and Data access Object**, **Factory Pattern,** etc.
* Deployed the application in UNIX machine and used FTP to see the logs etc.
* Developed **UNIX shell scripts** to run batch jobs in production.
* Conducted performance testing on APIs using **J-Meter** to improve the performance of the APIs.
* Installed the application on AWS EC2 instances and configured the storage on S3 buckets
* Responsible for maintaining and expanding **AWS (Cloud Services)** infrastructure using AWS Stack especially worked with database setup and maintenance on AWS EC2.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more **AWS EC2 instances**. Experience in creating alarms and notifications for EC2 instances using Cloud Watch.
* Configured AWS Identity and Access Management **(IAM) Groups** and Users for improved login authentication. Auto scaling the instances to design cost effective, fault tolerant and highly reliable systems.

**Environments:** JAVA 1.8 JDK 1.8, J2EE, Struts, JSP, AJAX, JDBC, Hibernate, UNIX, JavaScript, AngularJS, Java Beans, XML, HTML5, CSS3, UML, Log4j, JUnit, Ant, Node JS, JavaScript, JSON, XML, SOAP/REST Based Web Services, Swagger, SOAP UI, PL/SQL, PostgreSQL, SQL Server, GIT, Mocha.

**Equifax, Atlanta GA Oct’ 15 – June’ 17**

**Java Developer**

**Financial service**

Equifax is a leading global provider of merchant acquiring services, providing integrated payment processing to more than 1 million merchants. Team has one Reporting tool which is helpful to the Merchants to view their daily transaction reports, Charge back reports, Billing statements, Funding Statements etc. This Hierarchy Gadget is mainly designed to make all the merchant details along with their Merchant Ids, geographical information etc. This gadget has the control with the user like drag and drop, lazy loading, preference tree construction, grouping and Searching.

**Responsibilities:**

* Involved in **SDLC** Requirements gathering, Analysis, Design, (OOAD), Development and Testing of application using **AGILE** methodology **(SCRUM)**.
* Expertise in Web applications using **Java1.7, J2EE, AngularJS1.x and Hibernate**.
* Worked on NoSQL database like **Cassandra** to store key values, for data analytics which is used as a Database.
* Responsible for setting up Angular JS framework for UI development.
* Developed html views with **HTML, CSS, JSON and AngularJS, NodeJs**.
* Used **Spring Core** Annotations for dependency injection and used Apache Camel to integrate Spring4 framework.
* Configured the application using **spring4 framework** annotations and developed Spring Controllers for request and response processing and implemented **RESTful Web Service**.
* Migrated spring based application to cloud based **Micro services**.
* Developed continuous integration servers like **Jenkins** for regular builds.
* Building web application using **Template Toolkit, JQuery** and tested transactions created electronically through message injection using **JMS**.
* Involved in developing Database access components using **Spring DAO** integrated with **Hibernate**.
* Using **JavaScript and AngularJS** validation frame work for performing front end validations.
* Designed and developed the **REST** based **Micro services** using **the Spring Boot, Spring Data with JPA**.
* Used **Gulp.js**, **Bower** as task runner and dependency management on UI.
* Used **YAML** to inject properties to the **spring boot** application and also used features like profiling in **YAML** to differentiate different environment properties.
* Designed, configured and deployed Amazon Web Services **(AWS**) for a multitude of applications utilizing the Amazon Web Services focusing on high-availability, fault tolerance and auto-scaling.
* Wrote Shell Scripting programs to execute **PL/SQL and SQL Files**. Wrote the Corn Jobs to schedule the batch files.
* Created database tables and implemented **SQL Stored Procedures, triggers, and complex queries in MYSQL.**
* Coded extensively in **JavaScript** to make rich internet web pages and created custom date picker on the website.
* Designed and developed Utility Class that consumed the messages from the Java message Queue and generated emails to be sent to the customers. Used **Java Mail API** for sending emails.
* Implemented **multi-threading** using synchronized block and synchronized method, handled exceptions using **exception Handling, Interfaces** and Implemented Collection framework using Hash maps and Array List.
* Used **Spring IOC** and **spring's Hibernate** Support, **Spring AOP** for security, logging and transaction management.
* Experienced with log tools **Maven, JUnit, Log4j**.
* Built unit test cases using **JUnit and Mockito** framework.
* Involved in unit testing, integrated testing, performance testing.

**Environments:**Java1.7, Spring4 MVC, Hibernate, Struts, OOAD, Micro services, Jenkins, Junit, PL/SQL, Spring Security, Cassandra, JSP, JSF, JPA, JUnit, MySQL, IntelliJ, STS, Maven, JQUERY, AngularJS, Windows.

**Optum, Atlanta GA Jan’ 14 – Sep’ 15**

**Java/J2EE Developer**

**Healthcare Sector**

Optum is an innovating healthcare space helping employers, government, providers, partners and individuals by providing them with data and services on on-demand basis. This is Healthcare web based front-end application developed for Optum to maintain the details of healthcare Provider and member's which facilitates its users to Inquiry, add, update and delete provider details based on provider requirement. The administration module takes care of adding modifying and deleting users and policies used to approve and process claims.

**Responsibilities:**

* Expertise in UML, OOAD Technologies developing Use Cases, Component diagrams, Sequence diagrams.
* Developed the application using Spring Framework that leverages classical Model View Controller **(MVC)** architecture.
* Developed complete Web tier of the application with **Spring MVC** framework.
* Extensively used Hibernate framework for **Object Relational Mapping (ORM**).
* Developed JUnit based unit test classes, and tested the code using various testing tools.
* Implemented caching techniques, wrote POJO classes for storing data and DAO's to retrieve the data and did other database configurations using **EJB 3.0**.
* Used Hibernate to take care of the mapping from Java classes to database tables and for querying data using Hibernate query language (HQL).
* Used NodeJS for writing a proxy service layer using **ExpressJS**.
* Involved in implementing spring dependency injection for a maven project using Annotation.
* Involved in developing web application using **Spring MVC** integrated with Thyme leaf.
* Built a **RESTful Web services** to save and retrieve geo locations using a remote server in Java using **Spring MVC, MongoDB**.
* Developed views using the **HTML, CSS and JS** components of Bootstrap framework.
* Involved in implementing authentication and authorization to our application using spring security.
* Used Bean validation for User Input Validation, Error handling, Java Bean management and Event handling. Implemented **Spring Beans** using **IOC** and Transaction management features to handle the transactions and business logic.
* Developed one-much, many-one, one-one annotation-based mapping in **Hibernate**.
* Implemented Logging framework using **Slf4J** as back-end.
* Used Java Messaging Services **(JMS)** and Backend Messaging for reliable and asynchronous exchange of important information.
* Packaged application development using Maven plug-in& Spring Boot and CI/CD using Jenkins build jobs.
* Developed the **Maven build** file for preparing WAR files used to deploy application.
* Written **PL/SQL** in Oracle Database for creating tables, triggers and select statements.
* Generated POJO classes to map to the tables in the database using the **JPA-Hibernate** integration.
* Configured the **web.xml** & persistence.xml for the project.
* Responsible for writing **SQL queries** and stored procedures for data manipulation.
* Involved in post-production support, and conducted User acceptance testing as well
* Used various testing tools like **JUnit, SoapUI and JIRA** for unit testing.

**Environments**: Java1.6, J2EE, Spring boot, Hibernate, Jenkins, Servlets, XML,OOAD, Angular JS, Bootstrap, HTML5, CSS3, JavaScript, JSON, Oracle, PL/SQL, Web Logic, Eclipse, MongoDB, Web services (RESTful), Log4J, GIT, JUnit, Windows, UNIX, Linux.

**SB Technologies, India Dec’11 –Nov’ 13**

**Software Developer**

SBTS offers a range of expertise aimed at helping customers re-engineer and re-invent their businesses to compete successfully in an ever-changing marketplace.

**Responsibilities:**

* Developed the application as per the functional requirements from the analysts.
* Participated in all phases of SDLC including Requirements Collection, Design & Analysis of the Customer Specifications, Development and Customization of the application.
* Developed the UML use cases and Sequence diagrams.
* Design and development of server side modules using **J2EE, Struts, EJB and Utility classes**.
* Developed back-end logic with Core Java using technologies including Collection Framework, Multi-Threading.
* Responsible for client side validations and server side validations in JSP.
* Used Struts tag **libraries, JSTL** and created web interfaces using JSP technology
* Wrote XML validation components using **DTD, XML** Schema.
* Development of test cases for **unit testing** in a Test Driven Development.
* Used Web Services to extract and communicate the records using **XML and REST**.  
  Configured and deployed the **J2EE application** on Web Logic Application Server.
* Implemented the JMS for asynchronous message communication.

**Environment:** Java, J2EE, Servlets, JSP, Struts, MVC, REST, EJB, Java Beans, Oracle, ANT, JavaScript, CSS, HTML, XML, CVS.

**NIIT Institute, India May’11 –Oct’ 11**

**Software Trainee**

**Responsibilities:**

* Involved in Software development life cycle **(SDLC)** starting with requirement gathering, Design,
* Development, Testing, Maintenance and product delivery.
* Developed a scalable and maintainable application using **J2EE Framework, Hibernate, MVC** Model, **Struts, and J2EE** Design Patterns.
* Prepared **SOW** (Statement of Work) by communicating with agencies and organized meetings about requirements.
* Developed the Action Classes which is in between view and model layers, Action Form Classes which is used to maintain session state of web application, created **JSPs (Java Server pages**) using Struts tag libraries and configured in **struts-config.xml, web.xml files**.
* Created tables in database and mapped the **POJO using the \*. Hbm.xml** files.
* Created **new Soap** services using **JAX-WS** specifications.
* Wrote **JUnit test** cases for testing.

**Environment**: Java, Struts, Hibernate, JSP, Servlets, SOAP UI, HTML, CSS, Java Script, JUnit, Apache Tomcat Server, Sublime, EJB, NetBeans.

**Education:**

Bachelors of Technology in Computer Science and Engineering, Guru Nanak Engineering College

**References available upon request.**