**Shivananda Madireddy**

**Email:** [**nandmadireddy@gmail.com**](mailto:nandmadireddy@gmail.com)

**Phone: 321-394-8724**

**Senior Java Full Stack Developer**

**Summary of Experience:**

* Having 9+ years of professional experience in Software Development Lifecycle (SDLC) core areas such as Analysis, Design, Implementation, testing of web and distributed n-tier applications using Java and J2EE technologies in different domains.
* Experience in working with **Agile** and **Waterfall methodologies, Scrum and** **Test-Driven Development (TDD).**
* Working knowledge and experience in multi-tiered distributed environment, **OOPS** and **OOAD** concepts, good understanding of **Software Development Lifecycle (SDLC)** and Service Oriented Architecture **(SOA).**
* Expertise in distributed, secure and scalable application development using **J2EE** **Technologies** like **Servlets, JDBC, JSP,** **Struts, Spring IOC, Spring MVC, Amazon Web Services (AWS), Web Services development (SOAP and RESTful).**
* Experience with Java-based ORM frameworks such as **Hibernate** (including connection pooling, mapping, transaction management, and **HQL (Hibernate Query Language**) and **Spring Data.**
* Experience with **CI CD pipelines** to integrate the **Java code** to align with DevOps practices using **Docker**.
* Experience in containerizing application using **docker** and deployed to **Kubernetes** cluster.
* Experience in using **Struts** framework with features like Tiles, Validator Framework and **Spring MVC** framework.
* Expert in developing User Interface (UI) Applications and professional Web Applications using Web Standards, **HTML5, CSS3, Object Oriented,** **JavaScript, Angular JS, Angular 2/4/6/8,10,12,13 Node JS, jQuery, Bootstrap3,** **Typescript**, **Ajax Concepts, CSS3 Media Queries.**
* Have experience using CSS processors like **LESS and SASS.**
* Expertise in **Core Java** concepts including Collections, Exception Handling, Multi-Threading, Generics and Java I/O etc.
* Hands on experience with **Angular** directives, services, factories, filters, utility functions and built in components.
* Customized **Restful** Web Service using Spring **Restful API,** sending **JSON** format data packets between front-end and middle-tier controllers.
* Have strong exposure and work experience on core java concepts collection API, Stream API, Parallel Streams, exception handling, Multithreading, HashMap, concurrency, JDBC, modularity, executor service, fork and join frameworks.
* Extensive experience in **AWS Cloud** and Its Components like **EC2, S3, Lambda, Auto Scaling, Elastic Search, Cloud Watch** and **Cloud Formation**
* Solid experience with **Responsive Web Design (RWD**).
* Created Unified Modelling Language (UML) diagrams such as Use Case Diagrams, Sequence Diagrams, Class Diagrams, and Activity Diagrams.
* Proficient in writing **SQL queries**, **PL/SQL stored procedures, Triggers** and creating business tables.
* Possess strong working knowledge of Database Programming using **SQL, PL/SQL,** Triggers and Stored Procedures.
* Experience with **NoSQL Data bases** like **MongoDB, Cassandra, HBase**
* Strong **Mongo dB** understanding and have a good handle of using Mongoose.
* Web development experience with **Angular**2.0 applications in production. Experience developing web services, utilizing REST and micro services.
* Experience with **Node.js** using web server-based frameworks such as express or sails.
* Experience in working on web servers like **Apache Tomcat, Jetty** and application servers like **Web logic, Tomcat** to deploy code.
* Experience and understanding of cloud deployments and micro services approach to build applications.
* Developed permission system using **Drools** business rules management system.
* Setting up and configuring **Kafka** Environment in Linux from the scratch and monitoring it.
* Involved in creating the **Unit test case** using **Jasmine.**
* Excellent working knowledge and thorough exposure on compatibility issues with different versions of browsers like Internet Explorer, Mozilla Firefox, Safari and Google Chrome.
* Extensively worked on debugging using logging Frameworks such as **Apache Log4J.**
* Good Knowledge of using **IDE** Tools like **Eclipse, NetBeans** for **Java/J2EE** application development.

**Technical Skills:**

* **Web Technologies:** HTML5, CSS5, XML, jQuery, Java Script, React JS, Redux, Angular JS, Angular 2/4/6/8,10,12,13 JSF, Node JS
* **Languages:** JavaScript, Java, Java EE, TypeScript, SQL, PL/SQL
* **Server-Side Frameworks:** Node.js, Express.js, Spring, Spring Boot, Spring MVC, Hibernate
* **Web/Application Servers:** Apache Tomcat, WebLogic, WebSphere, JBoss
* **Databases:** Oracle 12c, MySQL, MS SQL, No SQL, Mongo DB, Apache Cassandra
* **AWS Stack:** EC2, S3, Lambda, RDD, Auto Scaling, Cloud Watch, Cloud Formation, IAM, Security Groups
* **Tools & IDE:** Eclipse IDE, Net Beans IDE, IntelliJ, Visual Studio and Spring Tool Suite (STS), Web Storm, Vim, Sublime.
* **Version Control:** GIT, SVN, CVS.
* **Message Brokers:** Kafka, RabbitMQ, ActiveMQ, TIBCO, IBMMQ.
* **Testing:** Junit, ALM, ETL, TestNG, Jasmine, Karma
* **Build tool:** Ant, Maven. Docker, Gradle.
* **Web Services:** Apigee and RESTful Web Services, SOAP Web Services -JAX- WS-API
* **Methodologies:** Agile, Scrum, Waterfall.
* **Operating System:** Windows, UNIX, Mac OS X, Ubuntu, Linux.

**Project Experience:**

**Client: Publix, Lakeland, FL Jan 2022 – till now**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Involved in various Software Development Life Cycle (SDLC) phases of the project like Requirement gathering, development, enhancements using agile methodologies.
* Developed **Micro Services** using **Spring Boot**, with continuous deployment and continuous integration using **Docker** and **Jenkins**.
* Extensive experience with Continuous Integration Tools **Bamboo**, and good working knowledge on source repository management tools like **GITLAB.**
* Extensively worked with spring frame work **Spring core, Spring Web – MVC, Spring ORM , Spring Security .**
* Developed modules in the application using **micro services** architecture style.
* Designing and developing the **Spring –boot REST services** to push data to **PostgreSQL**, save logs to **AWS** **S3,** validated and authorized other **REST services**
* Defined **Angular** **routes** using Router module for components at module level to enable lazy loading for modules and components.
* Implement the secure login module of **Spring security** for secure user login.
* Developed and deployed multi-tier Enterprise Applications using Tomcat, Web logic and web-sphere application server, Microservices.
* Proficient in developing web pages using HTML5, CSS3, jQuery, Bootstrap, JavaScript, Angular JS, Angular 10/12,13 React JS, Node.js and Ajax for providing the user interface and communication between the client and server.
* Extensive knowledge in developing applications in a single page (SPAs) using various JavaScript frameworks like Angular, react also using Redux.
* Create, update and manage user roles, policy and access in **Microsoft Azure IAM** suites.
* Involved in deploying systems on **Amazon Web Services (AWS)** Infrastructure services **EC2.** And Utilized most of the **AWS services** like S3 as a data store for storing the files that falls into the **bucket, IAM roles,** **Elastic Bean Stalk, generated Lambda Functions** to trigger an event that occurs in **S3,** Code Commit as a **Version control service, AWS Cloud Watch.**
* I have worked on developing a React chatbot using AWS **lex** service to generate multiple flow designs and worked with clients in converting the functional requirements into dialog flow and implement scalable design using **lambdas** in **AWS** as well. I have had close interactions with customers and end users to understand the user flow and refine the requirements. Versatile experience developing Rest and Soap development.
* I have worked with legacy **AWS** **connect** system. I was able to re-configure and improve the efficient of call or flow management.
* Independently integrate multiple APIs and new features using React + **GraphQL** stack.
* Developed mock data generation feature that is integrated with **GraphiQL** IDE interface to allow users to send queries against their custom generated schema and render mock results in order to familiarize users to the **GraphQL** syntax.
* Used express-**graphql** library to mount a **GraphQL** API server on the user-configured HTTP endpoint
* Implemented a recursive algorithm to parse large **GraphQL** introspection queries.
* Utilized the features of **Angular 12** to present effective web design.
* Developing Web Pages by using **HTML5, CSS3, jQuery, JavaScript, Bootstrap, React JS, Node JS**
* Worked with team members with establishing and applying appropriate branching, labelling/naming conventions in **GIT.**
* Independently integrated multiple APIs and new features using React + **GraphQL** stack.
* Closely worked with **Kafka** admin team to set up **Kafka** cluster setup on the QA and production environments.
* Experienced with stream processing using **Kafka and Kafka** connect.
* Used Spring Kafka API calls to process the messages on **Kafka** cluster setup.
* Implemented to reprocess the failure messages in **Kafka** using offset id.
* Implemented **CI CD pipelines** using **Jenkins** and build and deploy the applications.
* Profile Management, Dynamo Messaging System, Transaction Management, **ATG** Scenarios & Personalization Framework.
* Experience on either of Application Servers – **JBOSS, Web Sphere, Web logic**.
* Use of **Jenkins** pipelines to drive all **Micro services** builds out to the **Docker** **registry** and then deployed to **Kubernetes**, Created Pods and managed using **Kubernetes**.
* Worked on an application which is developed entirely on **Mean Stack** with deployment on **Node JS,** **MongoDB**, **Express**, and **React JS** based on the **MVVM design pattern.**
* **Spring Boot Microservices** were developed with **microservice architecture** using **REST** and **Apache Kafka.**
* Working with **React Router** and **Angular** for developing **Single Page Applications SPAs.**
* Used **React JS** to create views to hook up models to the DOM and synchronize data with server as a Single Page Application (SPA).
* Implemented web application built on **MEAN stack.**
* Exposure and built applications using **React JS** with **ES6** which allowed us to render pages on both the client and server using the same codebase.
* Full Stack Modern Progressive Web Apps - **ReactJS, Redux, GraphQL**
* Created **Micro services** as part **Lambda** function development using **Node JS Serverless** architecture.
* Configured **Kafka** to read and write messages from external programs.
* Designed and developed **Micro services, Rest/Soap services** using **Spring Boot, Spring MVC**, **Spring Batch,** spring integration based on the requirements.
* Used **Jenkins** server for code monitoring during code integration phase.
* Involved in using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept.
* Ability to perform source map analysis and bundle size formation.
* Virtualized the servers using **Docker** for the test environments and dev-environments needs, also configuration automation using **Docker containers.**
* Worked on multiple projects, for developing UI components using REACT is a lightweight JavaScript library that produces reusable UI components.
* Developed user-friendly interface to seamlessly combine the new module with existing login system by using **Angular.**
* Setting up **AWS Oracle RDS** databases for new project, use data pump to migrate data to Relational **Database Services (RDS).**
* Configured **Kafka** to handle real time streaming the data (Producers/Consumers)
* Implementing **Mockito** and Junit test cases for unit testing and Suites for end-to-end testing.
* Used **Grunt** task runner to automate minification, unit testing, and compilation to achieve reusable and efficient code.
* Implemented various screens for the front end using **React JS** and various predefined components from **NPM (Node Package Manager),** bower and **redux** library for Dependency management.
* Used **Node JS** to run Web pack tasks and build properly the project.
* Developed **Web API** using **Node JS** and hosted on multiple load balanced **API instances.**
* Deployed **Spring Boot** based **micro services Docker container** using **Amazon EC2 container services** and using **AWS admin** console.
* Used **Maven** build tool to build and deploy the application and **Jenkins** for continuous integration.
* Worked on **Rest Webservices**, OAuth as well as Node Rest framework for backend services used **MongoDB** for database services.

**Environment:** HTML, CSS, JavaScript, AWS, Mean Stack, MongoDB, Express, Node JS, jQuery, Ajax, Spring MVC, Spring Boot, React JS, Maven, Micro Services, CI CD Pipelines, Jenkins, Apache Kafka, Docker, Kubernetes, PostgreSQL, Mockito, Grunt, Git Lab.

**Client: Citi Bank, Tampa FL. Feb 2018 – Dec 2021**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Followed agile methodology and participated in the standup meetings and involved in the sprint planning, retrospection, and reviews.
* Wrote **Micro services** to export/import data and task scheduling and **Spring boot, Spring** and **Hibernate** in the micro services and Swagger API for **Micro services.**
* Used **REST API** calls from **Angular** and parsed the data to client and handled the security and **REST services** authorization using **oracle.**
* Used **Spring security** framework to setup authorization and authentication for the application using firm wide single side on.
* Design and implementation of **Spring Security** for the application for authentication process against **LDAP, J2EE** pre-authentication and database.
* Handle development task using the **Java spring framework and integration.**
* I have good experience in using **RXJS** with development of angular services and developing services without memory leaks.
* Knowledge of using flux architecture in **React Js** for building client-side web application.
* Knowledge of rendering large data sets on the application view using**React JS.**
* I have experience with both React 16 and above (Functional components) as well as old class based components as well
* Involved in the migration and implementation of multiple applications from on premise to cloud using **AWS services** like **RDS, cloud formation, S3, EC2, Lambda, Auto Scaling, Cloud Watch, CloudFormation, IAM, Security Groups**
* Created tasks for updating tsconfig tracked files based on glob, tslinting, and compiling **typescript** files.
* Designed **JSON** requests according to the frontend pages and processed the **JSON** requests according to the different types of modules, actions, and request data.
* Developed the backend by using **Node JS, Express** and **MongoDB**.
* **JSON** responses will be developed according to the request and send it back to the front end after the logic processing.
* Developed the user interface using **JavaScript, HTML5, CSS3, jQuery, Bootstrap** and **Angular 8,10** for creating responsive GUI Interface of the web page.
* Developed Single page applications using **Angular 8, Dynamic page applications.**
* Experience with spring modules like **Spring MVC, Spring Core, Spring Boot, Spring JDBC** and **Spring DAO.**
* Containerizing **spring boot** application using **docker** and deployed to **Kubernetes** cluster.
* Used **Swagger** for documenting the **Rest APIs** and created automation scripts for Rest APIs using **Postman**.
* Used **Amazon Cloud Watch** to monitor **AWS services** and **Amazon Cloud Watch logs** to monitor application.
* Used **Spring Security** for Authentication and Authorization of the application.
* Developed the application using both Java based configuration and XML based configuration.
* Collaborated with team of professionals in Agile Team and used **GitHub** for source code management and version control. Used Slack as a communication platform between team members.
* Developed Entity objects and used Hibernate the ORM tool to access the persistent data from **MYSQL.**
* Deployed the **micro services** to **Pivotal Cloud Foundry** using CI/CD pipelines for continuous integration and developed using **Jenkins**.
* Worked on **Amazon Web Service (AWS) EC2** and **Jenkins** for continuous integration.
* Implemented **Kafka** producer and consumer applications with help of the **zookeeper** and retrieved log messages using **Kafka**.
* Designed and developed the presentation layer using servlets and **JSP (Java Server Pages)** and used JSTL for reusability.
* Used **docker** concepts like registry, repository, tag, image and container.
* Creating **Data Access Objects (DAOs)** integrating with **Hibernate** and used **JDBC** interaction to interact with Data Access Objects.
* Involved in building the application and deploying the application using **Apache Tomcat Server.**
* Developed components of **web (JAX-WS, REST, JAX-RPC)** and **SOAP** using various message exchange patterns.
* Created the **Node JS EXPRESS Server** combined with Socket.io to build **MVC** framework from front-end side **Angular** to back-end **MongoDB**, to provide broadcast service as well as chatting service.
* Used **Hibernate** in Data Access layer to access and update information in the database.
* Maintained **DB Schema** and wrote services to store and retrieve user data from MongoDB for the application.
* Performed form validations using reactive forms from the **Angular 6** framework.
* Used **Maven** Scripts to build the application and worked with **Log4j** for error tracking and debugging. Wrote Unit test cases and used **Mockito**.
* Configured Dispatcher servlet and view resolver to interact with the requests and manage the **MVC flow.**
* Involved in writing **SQL queries**, functions, triggers, and stored procedures for **PL/SQL** and **HQL (Hibernate Query Language).**
* Used **Docker** for containerizing, **Kubernetes** for managing containers and **GitLab**.
* Implemented **Spring** bean configuration file and bean factory pattern and application context for bean configuration.
* Selecting the appropriate **AWS** service based on compute, data, or security requirements.
* Used **Hibernate** framework in persistence layer for mapping an object-oriented domain model to a **relational DB.**
* Used **POSTMAN** and **SoapUI** to test **RESTful** **services** and perform operations.
* Used **MongoDB** as a persistent store and **Apache Kafka** as a messaging layer for custom.

**Environment:** Java 8, JDK, Struts, HTML 5, CSS, JavaScript, jQuery, AJAX, DOM, JSON, Angular 8,10, NODE JS, Bootstrap, Typescript, Eclipse, J2EE, Servlets, Spring Framework, Spring MVC, Hibernate, Apache Kafka, Micro services, JUnit, Restful API, Spring IOC, Jenkins, Maven, JDBC, Docker, JUNIT, XML, SQL, Oracle 12c, Tomcat, Log 4j, JIRA, Kubernetes, GitHub.

**Client: Disney, Orlando, FL Jun 2015 – Feb 2018**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (SDLC) and used agile methodology (SCRUM) for developing application.
* Involved in web application development for backend system using **Angular 4, Angular CLI, and Web pack, HTML5, Typescript, Node JS, SASS and CSS3.**
* Consumed **RESTFUL web services** using **Angular HTTP** Module and transformed the response using RXJS operators.
* Created **Angular Http** Client interceptors to add necessary JWT tokens for the outgoing requests from UI.
* Integration of **Amazon Web Services (AWS)** with other applications infrastructure.
* Used various **Bootstrap** components such as calendars, masks, up loaders, sliders, alerts, and modal dialogs for developing the UI.
* Working with **React Router** for developing **Single Page Applications SPAs.**
* Implemented **Angular** form validations and used **Bootstrap**to show error, warning, and info messages.
* Developed various screens for the front-end using **Ext JS/Angular JS** and used various pre-defined components from **NPM** (Node Package Manager).
* Used **Node JS** to run the application in a web server in staging environment.
* Involved in creating a custom grid directive, which used **jQuery** slick grid for handling large data.
* Developed web services using **spring framework** and **REST** and exposed the data to the UI in **JSON format.**
* Development of custom modules using **PHP, AJAX, JavaScript, spring, Hibernate, Mongo DB, jQuery, JSON**.
* Used **Angular 4** Reactive forms to implement complex forms and performed the validations using Form Builder.
* Involved in writing **Java API** for **AWS Lambda** to manage some of the **AWS services.**
* Worked on **Hibernate** to connect and retrieve the data from **SQL Server database**. Configured with **spring** to get properties dynamically and connected with **SQL Server database.**
* Published and consumed Web Services **NOSQL**, using XML - RPC and **SOAP.**
* Used **Apache Tomcat application server** for application deployment and used **NPM** for **JavaScript** packaging.
* Developed data transformer for change legacy data from Source to Avro format and fed into **Kafka** using **Camel**.
* Used **spring declarative** transaction management to manage transactions in the application.
* Developed **spring** batch jobs for importing xml data into database and for email notifications.
* Involved in performing Behaviour driven development (BDD) using **Cucumber** and **Junit.**

**Environment**: Java/J2EE, Angular 2/4, Node JS, Spring, hibernate, AWS, jQuery, Log4j, JMS, SOAPUI Pro, JSP, XML, XSL, jQuery, Jenkins, D3 Stack, AWS, GIT, Ajax, Java Script, Bootstrap, JBOSS, JUnit, Photoshop, Oracle 11g, Kafka, Eclipse, Tomcat, Windows, and UNIX.

**Client: Capture IT Solutions, Hyderabad, India Sep 2013 – May 2015**

**Role: Java Developer**

**Responsibilities:**

* Developed an API to write XML documents from a database. Utilized **XML** and XSL Transformation for dynamic web-content and database connectivity.
* Developed the persistence layer using **Hibernate** Framework, created the POJO objects and mapped using Hibernate annotations and Transaction Management.
* I have experience using **React** Router, Redux for state management.
* Implemented **Web-Services** to integrate between different applications components using **Restful web** **services** by using Jersey.
* Wrote Cross Browser code of **CSS** and **JavaScript** for Internet Explorer and Firefox.
* Expertise in developing applications using **Core Java** concepts like **OOPS, Multithreading, Garbage Collection.**
* Extensively used **JSON** to parse the data from server side to satisfy the business requirement.
* Used **WebSphere** **server** to route our **JMS** queue messages to different business floors and configured routes in **WebSphere.**
* Extensively used **JUnit** for unit testing, integration testing and production testing
* Configured and customized logs using **Log4J**.
* Used **JIRA** to assign, track, report and audit the issues in the application.

**Environment:** Java/J2EE, Servlets, JSP, JDBC, Web Logic application server, Eclipse, Apache Axis, Log4J, Rational Rose, Windows, CVS, Junit, JIRA.