**Revathi Tumu**

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**Summary of Experience:**

• Over 8years of IT experience as **a Java/J2EE Backend Developer** and **Application Support** with exposure to delivering enterprise solutions in Web-based and Client/Server environments.

• Working knowledge on Java-based Enterprise Technologies like **Spring MVC/Spring boot** frameworks.

• Experience working on **Spring JDBC**, **Spring Hibernate ORM** (Transaction Management & Caching) and **JPA** for database interactions.

• Expertise in spring framework, including **Spring IOC/core**, **Annotations and XML/Java based configurations**, **Spring DAO support**, **Spring ORM**, **Spring AOP**, **Spring Security**, **Spring MVC**, **Spring Cache**, **Spring Cloud** and **Spring Boot**.

• Knowledge of Java EE technologies like **JSP**, **JSTL**, **JDBC**, **Java Mail** and **Servlets**.

• Worked on few frontend tasks and validations using GUI development technologies such as **HTML**, **CSS**, **JavaScript**, Bootstrap, **Thymeleaf**, **Angular JS**.

• Experience in the **Software Development Life Cycle (SDLC)** including requirement analysis, design, development, testing, deployment and maintenance.

• Good experience in Java Web Services with real-time knowledge using **RESTful Services**, JAX-RS and validating the APIs using **Postman** and **Swagger UI**.

• Knowledge in developing Microservices using **Spring Boot**, **Netflix OSS** (**Eureka**, **Open Feign**, **Spring Cloud Load Balancing**, **Spring Gateway**, **Sleuth**, **Spring Cloud Bus**).

• Used various features of core Java concepts such as **Multi-Threading**, **Exception Handling**, **Collections** **framework**.

• Experience in designing and developing using **TDD** approach with **JUnit**.

• Managed containerizing Microservices and running them using Docker Engine.

• Knowledge on **Amazon Web Services** like EC2, Elastic Beanstalk,Auto scaling through AWS console for POC purpose.

• Good troubleshooting and debugging skills.

• Experience in database like **SQL**, **MySQL Workbench** and **MongoDB**.

• Knowledge of Web servers like **Apache Tomcat**.

• Good Knowledge of **YAML.**

• Hands on experience with build tools like **Maven**, **Gradle** and **Git** for version controlling.

• Worked on **Jenkins** for continuous integration for all builds and deployments

• Experience in gathering the requirements and working closely with functional and business teams.

• Worked with a variety of teams, gaining good level of system understanding that enabled me to quickly identify RCAs and provide production fixes resulting in resolutions within SLA’s and meeting deadlines.

**Technical Skills:**

**Version Control Tools :** GIT

**Continuous Integration Tools :** Jenkins

**Build Tools :** Maven, Gradle

**Containerization Technologies :** Docker

**Programming Languages :** Java, SQL

**Frameworks :** Spring 6, Hibernate, Spring Boot 3, Spring Security

**Web Technologies :** HTML, CSS, JavaScript, Thymeleaf

**Web Services :** RESTful Services

**Data Serialization Language :** YAML, JSON

**Databases :** Oracle 11g/12c, MySQL, MongoDB

**Application Servers :** Apache Tomcat

**Testing tools :** JUnit, Postman, Swagger UI

**Cloud Platform :** Knowledge of Amazon Web Services [AWS]

**Educational Qualification:**

**Bachelor of Technology in Electronics and Communication Engineering**

Jawaharlal Nehru Technological University, India

**Work Experience:**

**Title: Backend Developer**

Client**: Sabre, Southlake, Tx Oct’2023 – Present**

**Key Responsibilities:**

• Work closely with TPM to identify and analyse user requirements.

• Developed the whole business logic in a microservices architecture using Spring Boot technology.

• Developed the application based on Spring MVC, Spring IOC,AWS, Spring AOP, Spring Security, Spring Boot and Microservices.

• Involved in all the phases of SDLC including Requirements Collection, Design & Analysis of the Customer Specifications and Development of the Application.

•Extensively worked on both consumption & producing of RESTful based web services using JAX-RS.

• Created Swagger API to generate interactive API documentation that lets users try out the API calls directly from the browser.

• Performed the unit testing, integration testing and system testing for the application using JUnit.

• Amazon EC2 is also used for deploying and testing the lower environments such as DEV and Test.

• Used Rally for defect management and to keep track of bugs and issues.

• Used GIT for efficiently managing the source code versions with the development team.

• Served as POC for on call support in the production team on a rotation basis.

 **Environment:** Java 11,Spring boot 2x, Spring, Rally, Docker, Oracle 11g/12c, CI/CD, Jenkins, GIT, GITHUB, AWS Services - EC2, Postman, Swagger, Spring Tool Suite 4, JUnit

**Title: Backend Developer**

Client**: Texas Medicaid, Texas Aug’2021 – Sep’2023**

**Key Responsibilities:**

• Developed and implemented Spring and J2EE based MVC (Model-View-Controller) framework.

• Developed applications using Java 8 and new features of Java (lambda expressions) for array operations for well-defined programming.

• Worked on Cloud-based architecture for auto-scaling on AWS.

• Developed web GUI involving HTML5, CSS, Java Script under MVC architecture.

• Developed UI components using dependency Injection, Models, data binding and controllers.

• Involved in developing Thread Safe blocks for multithread access and distributed transaction management.

• Created and injected Spring services, controllers and DAOs to achieve dependency injection.

• Heavily used Auto-wiring, AWS, Spring Core, Security, Spring AOP, Spring DAO support

• Developed Persistence layer using Spring Data JPA to interact with Database.

• Developed Spring Restful Microservices using Spring Eureka as part of Services Discovery, Spring load balancer, Spring API Gateway.

• Used Spring Boot Actuator to externalize application’s configuration for different environments.

• Developed the application with various Spring Framework modules like Spring IOC, Spring AOP, Spring Boot, Spring Security.

• Converted a monolithic to Microservices architecture using Spring Boot.

• Developed Microservices with Spring Eureka to retrieve API routes for the entire cluster. Using this strategy

each Microservice in a cluster can be load balanced and exposed through one API gateway.

• Implemented Spring Circuit breaker pattern for fault tolerance of distributed systems in microservice architecture.

• Implemented Authentication & Authorization with Spring security.

• Implemented REST based web services using JAX-RS.

• Used Amazon Web Services (AWS) like EC2, S3 and Elastic Bean Stalk for code deployment.

• Writing Entities in Java, Data JPA along with named queries to interact with database.

• Experience with building Docker Images and running them to create Docker container on Docker Engine.

• Used Maven and Jenkins to automate the build and deploy process and Git was used for project management and version management.

**Environment:** Agile/Scrum Methodology, Java 8, Spring Boot, Spring, Spring JPA, AWS, EC2, MySQL, RESTful, Docker, Junit, RESTAPI Implementation, Swagger API, Jenkins.

**Title: Software Engineer**

Client**: GE Healthcare, Milwaukee Apr’2019 – Jun’2021**

**Key Responsibilities:**

• Effective interaction with team members and business users from different regions for procurement of requirements and analysis.

• Developed services and APIs for UI application to fetch live data from CRMs.

• Extensive hands-on experience in developing RESTful APIs using Spring boot.

• Test Driven development in an entire application development.

• Instituted as a point of contact to the leadership from the offshore development team.

• Developed spring JDBC module connecting to database.

• Used different user interface technologies HTML, JavaScript and AngularJS for developing GUI of the application.

• Initiated Monitoring of infrastructure, Application APIs and database using New Relic Monitoring tool for proactive monitoring and avoid unplanned downtime of the services.

• Coordinate with clients and vendors in case of production issues.

• Resolved incidents within SLA and provided critical Fixes in Production Environment which is a dollar impact to the client directly.

• Create and Manage API endpoints in Akana (API gateway) and provide access to other applications to consume the APIs

• Played a key role in end-to-end testing and migration of API gateway from AKANA to APIGEE & defect management.

**Title: Associate Software Engineer**

Client**: GE Healthcare, Milwaukee Jul’2017 – Mar’2019**

**Key Responsibilities:**

• Provided support in L3 level, based on priority of the issues (P1/P2/P3) to meet the client’s SLA

• Was responsible for procuring user requirements for new enhancements from functional team.

• Worked majorly on the UI enhancements using AWS,HTML, CSS and JavaScript framework.

• Closely operated with other applications teams for integrations testing, to make sure that end to end functionality is not affected.

• Fixed UI related defects for better user experience

**Title: Intern**

Client**: Tech Mahindra Pvt Ltd Jan’2017 – Jun’2017**

**Key Responsibilities:**

• Assisted support analyst in documenting the production high priority issues, to reduce the resolving time in case of future occurrence.

• Proactivity tested applications post upgrade to avoid any unanticipated P1 issues.