**RAMYA SRI T**

**Mail id:** **sriramya@talentcreek.com**

**Contact No: +1 (717) 759 0878.**

**PROFESSIONAL SUMMARY**

* **Over 9+ years** of development, implementation, and professional experience in the **IT industry**. Experienced in maintaining various web-based applications using **Java** and **J2EE technology**.
* Experienced in the design, development, and implementation of multi-tier distributed web applications using **Java** technologies and following the **Software Development life cycle (SDLC**).
* Expertise in working in **AGILE** based development environment and participating in **Scrum** meetings.
* Extensively worked in **Core Java** and **Object-oriented design** with strong understanding of **OOPS concepts**, **Collections, Multithreading and Exception handling**.
* Experienced in developing **Java Microservices** using various modules of **Spring (Spring Boot, MVC, Spring Cloud, Spring AOP).**
* Expertise in **Java 8** features and in **Exception Handling, Multi-Threading, I/O Streams, Collections, Parallel streams, Lambda Expressions** and other **Core Java** concepts and technologies.
* Experienced in **Angular 8** concepts like building the components, **Data binding, Property Binding, Event Binding,** and **Two-way Data binding** (with the help of Forms Module).
* Designed the User Interface (UI) web pages using technologies **JavaScript, jQuery, AJAX, HTML5, Bootstrap, ReactJS, Angular, and TypeScript.**
* Proficiency is demonstrated in creating single-page applications (SPA) with **React**, utilizing Hooks and Redux for stateful management, or employing previous **React** state objects and lifecycle methods for internalized stateful management. Additionally, **React Router** is utilized for routing purposes.
* Extensively used **Design patterns** in the development of an application.
* Experience writing unit tests for **Angular applications** using **Jasmine** and **Karma**.
* Experience setting up and configuring **Protractor** for end-to-end testing of **Angular** applications.
* Developed multiple **ORM** related applications using **Spring framework** and Postman in **Web Services and Microservices.**
* Expertise in implementing ORM mapping tools like **JDBC, JPA, and Hibernate**.
* Experience in relational database management system namely **Oracle and MySQL**.
* Expertise in writing and optimizing Database design, **SQL** code and **Stored Procedures**, creating, functions, views, triggers and indexes, SQL Query Performance Tuning.
* Written many data scripts **PL/SQL** to fix fallouts in the application and pull the reports for the business side.
* Proficient in integrating **MongoDB**, a **NoSQL** document database, with applications for efficient data storage, retrieval, and manipulation.
* Proficient in utilizing **Kafka** for real-time data access and processing, particularly in implementing messaging services between producers and consumers.
* Used **Kafka** streams to process data, implement mission critical real time application and microservices.
* Experience in using **CI-CD** tools like **Git, Bitbucket, Jenkins,** and **Docker** with good understanding of **Jenkins Pipeline**.
* Knowledge of **Kubernetes** orchestration concepts, including pods, services, deployments, and replica sets. Proficient in managing and scaling containerized Java applications using **Kubernetes** deployment configurations.
* Experience in using **JIRA** for issue tracking and project management.
* Used **SonarQube** to detect and fix code quality and security issues, to ensure compliance with coding standards.
* Expertise in using Web Servers like **Apache Tomcat** and Application Servers like IBM WebSphere, WebLogic.
* Experience with **Mockito, JUnit** in developing test cases, determining application functionality and JMeter for performance testing.
* Expertise in developing serverless applications using **AWS Lambda** and **API Gateway**, leveraging the benefits of scalability, cost-efficiency, and event-driven architecture for projects.
* Experienced in Automating, Configuring, and Deploying instances on **AWS**, and **Data centers**, also familiar with **EC2, Amazon S3, Amazon RDS, Amazon Elastic Load Balancing, Auto Scaling, Cloud watch, Cloud Formation** and managing security groups on AWS.
* Efficient at meeting deadlines, working under pressure, and managing multiple tasks simultaneously.
* Excellent interpersonal abilities, communication skills, time management and team skills with an intention to work hard to attain project deadlines under stressful environments.

**TECHNICAL SKILLS:**

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| Programming Languages | Java 8, Java 11, JavaScript, Typescript |
| Scripting Languages | Shell Scripting |
| Web (Frontend) Tech | HTML5, CSS3, JavaScript ES6, Bootstrap 4, Angular 4/5/8/10/11, React 16, Material-UI. |
| Web (Backend) Tech | Spring Boot REST API Web Services, Data JPA, JPA, Hibernate |
| Messaging Tech | Microservices with Kafka |
| RDBMS Database | Oracle 12c/10g/9i, MySQL |
| NoSQL Database | Mongo DB |
| Build Tools | Maven, Gradle |
| Version Controls | GitHub, Bit Bucket |
| CI Tools | Jenkins |
| Cont. & Orch. Tech | Docker, Docker Hub, Kubernetes |
| Cloud providers | AWS, GCP |
| Web Servers | WebSphere, WebLogic, Tomcat 7.0/8.0. |
| IDE(s) and Code Editors | Eclipse, IntelliJ IDEA**,** Spring Tool Suite (STS), Visual Studio Code |
| Dev Methodologies | Agile and Waterfall |
| Operating Systems | Sun Solaris, UNIX, Linux, Windows, macOS |
| Development Tools | TOAD, SQL Developer, Putty |

**WORK EXPERIENCE**

**Client: Vanguard, Malvern, PA January 2022 - Present**

**Role: Sr. Full stack Developer**

**Responsibilities:**

* Administered, analyzed, and developed Business Process Management in the initial setup, testing, and go-live phases of SDLC based on **Java 11,** **Oracle 12c**, etc.
* Involved in all the phases of the portal changes - **Analysis, Design, Development, Testing and Deployment**.
* Worked in Agile Methodology (**SCRUM**), held responsible for completing the assigned tasks and delivering potentially shippable increments of the product at the end of each sprint.
* Developed the UI using **HTML5, CSS3, and ReactJS 16** for interactive cross browser functionality and complex user interface.
* Used routing with **react-router-dom** and customized routing to build an interceptor for authorizations among all pages to ensure the validation of the current user.
* Developed Single-page applications using **React** **Redux** architecture and **JavaScript ES6**.
* Designed and developed **Microservices**, implemented **APIs**, upgraded **RESTful** web services in a fast-paced environment to support applications as per business requirements in a timely and scalable way.
* Implemented **Spring Boot-based Microservices** and API Gateways using **Zuul** as well.
* Used **Spring Ribbon** for load balancing and failed-safe methodology using circuit breaker pattern with **Hystrix Dashboard** on designing and implementing microservice applications.
* Implemented the application using **Spring IOC, Spring batch**, and **Spring Boot** and handled the security using **Spring security.** Proficient in using **Spring** **Boot's 2.5** preconfigured defaults and annotations for quick application development.
* Worked **with React** libraries like **Material**-**UI** for applying custom styles and maintaining consistency.
* Worked with server-side technologies including databases, **Restful API** and **MVC design patterns.**
* Worked with **Spring** **IOC** Core container technologies like beans and context packages.
* Involved in building applications using **Spring** **Boot 2.5**, **Microservices** and deployed to **Docker** containers in **AWS** **ECS**.
* Implemented **Spring Boot 2.5**, **dependency Injection (DI)** and **aspect-oriented programming (AOP)** features along with hibernation.
* Integrated **Hibernate** with **Spring** **JPA** and attained powerful object-relational mapping capabilities of **Hibernate**.
* Involved in creating and extracting data from database using **SQL** queries**, PL/SQL** stored procedures, triggers, and packages on **Oracle 12c** database.
* Worked with writing complex **SQL queries** to retrieve, update, and delete data from **Oracle databases**. Used **SQL functions**, operators, and performs data manipulation operations efficiently.
* Written **SQL Queries** and stored procedures to interact with Oracle DB.
* Used **Kafka** streams to process data, implement mission critical real time application and microservices.
* Implemented **Kafka** producer and consumer applications on Kafka cluster setup with help of **Zookeeper** and used Spring **Kafka** API calls to process the messages smoothly on Kafka Cluster setup.
* Worked with Kafka Admin team to set up **Kafka** cluster setup on the QA and Production environments.
* Used **SonarQube** to detect and fix code quality and security issues, to ensure compliance with coding standards.
* Developing scripts for build, deployment, maintenance, and related tasks using **CI/CD Jenkins**.
* Worked with **Docker** to improve our **(CD) Continuous Delivery** framework to streamline releases.
* Worked with **Kubernetes** networking concepts, including services, pods, and cluster networking models and configured network policies, load balancers, and ingress controllers to enable secure and efficient communication between Java application components.
* Used **JIRA** for defect management and to keep track of bugs and issues.
* Used **Maven** as Build and Dependency management tool for creating **JAR** files to be deployed in application servers and integrated with **GitHub**.
* Worked with unit testing frameworks like **Jest** and **Enzyme**.
* Used various **AWS services**, such as **EC2, S3, Lambda, RDS**, **DynamoDB, and API Gateway**, to develop and deploy applications in a cloud-based environment.
* Involved in setting up **AWS** **EC2** instances, installing the necessary software and configurations, and building **S3** buckets to store object-level data.
* Integrated **Jenkins** with **GIT** and set up a build pipeline that automatically builds and tests code changes each time a change is committed to the **GIT** repository.
* Used operating Systems **Microsoft Windows 11, UNIX, and LINUX**.
* Implemented Test Driven Development (TDD) using frameworks like **JUnit** and **Mockito**.
* Worked with BA and QA team to confirm requests from clients and helped them set up environment for testing.

**Environment: Java 11, Spring Data JPA, Spring Boot 2.5, Spring Security, Spring batch, Spring AOP, Spring Core, REST API/Web Services, Micro Services, HTML5, CSS3, Material-UI, JavaScript ES6, React16, RDBMS Oracle 12c, Jest, Enzyme, JPA-Hibernate, Kafka, GitHub, Jenkins, Docker, Kubernetes, AWS, EC2, RDS, Maven, Junit, Mockito, SonarQube, JIRA, Eclipse, IntelliJ IDEA, VS Code.**

**Client: JB Hunt, Lowell, AR January 2020 – November 2021**

**Role: Full Stack Developer**

**Responsibilities:**

* Involved in the complete **SDLC (software development life cycle)** of the application from requirement analysis to testing.
* Designed and developed **Java microservices** using various Spring framework modules like **Spring MVC, Spring Boot 2.3, Spring Batch, Spring Data** modules and handled security using **Spring Security.**
* Involved in the development of user interface using **HTML5, CSS3, Bootstrap 4, Angular 8 and TypeScript 3.**
* Used **Angular 8** as a framework to create Single Page Application which can bind data to specific views and synchronize data with server.
* Worked with server-side technologies including databases, **Restful API** and **MVC design patterns.**
* Worked with **Spring** **IOC** Core container technologies like beans and context packages.
* Worked on integrating **Spring** **AOP** with other Spring features, such as **Spring** **Data** and **Spring** **Security**.
* Used **Spring** **Security** concepts like authentication and authorization, then integrated with **Spring** **boot 2.3** framework to verify users’ identity and manage permissions for them.
* Involved in implementing distributed Spring boot **micro services** using **Spring Cloud** Technology.
* Used **JPA and Hibernate** with entity beans for interacting persistence layer for **CRUD** operations.
* Defined **Angular routes** using **router** module for components at module level to enable lazy loading for modules and components.
* Created **Typescript 3** reusable components and services to consume **REST** **API's** using Component-based architecture provided by **Angular** **8**.
* Developed **Bootstrap 4** responsive web application pages using **Angular 8** services and components.
* Utilized **AWS EC2** to deploy Docker container with monolith and Microservices architecture.
* Deployed Spring Boot based Microservices Docker container using **Amazon EC2** container services and using AWS admin console.
* Involved in writing **Java API** for Amazon Lambda to manage some of the **AWS** services.
* Used the **MongoDB** Java driver to interact with **MongoDB databases** programmatically. Worked with **CRUD** (Create, Read, Update, Delete) operations, query optimization, and handling database transactions.
* Worked on creating various types of indexes on different collections to get good performance in **MongoDB** database.
* Worked with NoSQL (**MongoDB**) data models such as document, key-value & graph model.
* Worked on **Docker** container management along with volumes, container-based DB and services, **Docker** Arti factory configuration and setup.
* Worked with various test cases like writing unit tests, working with the **Jasmine** syntax, and running tests using **Karma**.
* Used **Log4j** for logging and debugging the application.
* Exposed to Unit Testing using **Junit and Mockito** for Spring Boot Restful API services**.**
* Automated the entire application lifecycle, from build to deployment using **Jenkins Pipeline.**
* Involved in writing **Junit** test cases for code coverage.
* Used GIT to maintain the version of the files and **STS/Eclipse as IDE**, took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts.

**Environment:** **JAVA 8, Spring 5, Spring Boot 2.3, HTML5**, **CSS3**, **JavaScript**, **Angular** **8, Spring MVC, Servlets, Spring AOP, Spring Batch, Spring boot microservices, SOAP-Web services, React 16, Restful API and MVC design patterns, JPA and Hibernate, Typescript, Bootstrap 4, Spring** **Security, Junit, Maven, MongoDB, Jasmine, Karma, Mockito, PostgreSQL, Docker, JIRA, Jenkins, Log4J, MongoDB, Kubernetes, GIT LAB, Eclipse, and IntelliJ IDEA.**

**Client: Macy’s, Atlanta April 2017 – December 2019**

**Role: Sr. Java Developer**

**Responsibilities:**

* Involved in various stages of **Software Development Life Cycle (SDLC)** deliverables of the project using the Agile methodology.
* Used various Core Java concepts such as **Exception Handling, Collection APIs** to implement various features and enhancements.
* Involved in implementation of MVC pattern using JSP and Spring Controller and developed business objects using **Spring IOC**, **Spring MVC** and **Spring Boot 2.5**.
* Involved in the development of user interface using **HTML5, CSS3, Bootstrap 4, Angular 5 and TypeScript 3.**
* Used **Bootstrap** to build a responsive website and Angular 5 to create a client-side application in a clean **MVC** model.
* Developed the project with **RESTful Web Services** using Java frameworks such as Spring.
* Developed remote integration with third party platforms by using RESTful web services.
* Worked on installing and configuring **Tomcat 6** Server and used it for application deployment.
* Worked with creating JPA repositories, working with the JPA criteria API, and implementing auditing using **Spring** **Data** **JPA**.
* Designed and developed asynchronous **RESTful** Micro services using **Spring** **boot**.
* Involved in the implementation of Server-side Technologies such as **Servlets, JSP, and JPA**.
* Used the web Application Servers such as **Apache Tomcat 6**.
* Involved in developing and debugging Java code.
* Used performance tuning and optimization in Java applications.
* Integrated **Spring, Hibernate and JPA** frameworks.
* Created mappings among the relations and written **SQL** queries using Hibernate.
* Written data scripts in Oracle DB using **PL/SQL** to pull the fallouts in the application.
* Managed build, reporting and documentation from the project information using **Maven Tool** and SVN for version control.

**Environment:** **JAVA, Spring, Spring Boot, HTML5**, **CSS3**, **JavaScript**, **RESTful Web Services**, **Spring MVC, Spring boot microservices, SDLC, Agile methodology, Angular 5, SCRUM, MVC design patterns, Apache Tomcat, JPA and Hibernate, jQuery**, **Typescript, Bootstrap, Junit, JIRA, Maven, Mockito, Log4J, Eclipse, GIT, and IntelliJ IDEA.**

**Client: Quest Diagnostics, NJ April 2015 – March 2017**

**Role:** **Java Developer**

**Responsibilities:**

* Developed the application using **Java programming language** and **Object-Oriented Programming concepts**.
* Used web development frameworks such as **Spring 4, Hibernate** in the project development.
* Implemented the application using **Spring Framework 4**.
* Implemented **Spring MVC** design pattern and front controller pattern to this project.
* Developed user interface by creating at least one webpage for each component using **Struts web MVC** and Action Servlet as front controller for this application.
* Implemented several design patterns like **Singleton, MVC, and Factory design patterns**.
* Used front-end web technologies such as **HTML 5, CSS 3, JavaScript, and jQuery**.
* Developed the application with the knowledge of SQL and experience working with databases such as MySQL and Oracle.
* Configured and used WebLogic content management to display content in JSP view components.
* Developed Single Sign On (SSO) functionality, through which we can run SCM from Oracle Applications.
* Used software development tools such as **Eclipse, IntelliJ IDEA, Git, and Maven**.
* Developed **stored procedures, triggers** in MySQL for lowering traffic between servers & clients.
* Implemented **Log4J** for Logging Errors, debugging and tracking using logger components.
* Implemented **Agile methodologies** and software development lifecycle concepts.

**Environment: JAVA, Spring, Spring Boot, HTML5**, **CSS3, JavaScript,** **Spring MVC, Servlets, Spring boot microservices, Struts, SDLC, Agile methodology, SCRUM, MVC design patterns, JPA and Hibernate, Junit, JIRA, Maven, Log4J, Eclipse.**

**Client: Biocon LTD, Bangalore, India September 2013 – December 2014**

**Role:** **Java Developer**

**Responsibilities:**

* Developed web application using **JEE architecture**, **Struts**, **JSP**, **Servlet**, **Java** **beans** that uses **MVC** design pattern. while using **JSP** to design user interface.
* Implemented **Struts MVC design pattern** and **front controller pattern** to this project.
* Implemented **Java 8** features such as **Lambda Expressions and Streams**.
* Utilized **Java Collections** like **List** and **Map** to efficiently manage data.
* Developed and created user friendly **GUI** interfaces and web pages with the use of **JSP, HTML and CSS.**
* Used **jQuery** extensively to perform **JavaScript** validations and **AJAX** updates.
* Implemented the application using **Spring** Framework.
* Configured and used WebLogic content management to display content in **JSP view** components.
* Worked on several design patterns like **Creational Design patterns** like: **Singleton, Factory and Builder.**
* Using **JIRA** tracking the issues and resolving them.
* Implemented **Log4J** for Logging Errors, debugging and tracking using logger components.
* Used **Git** and **GitHub** for source control and version management.
* Worked with **QA team** to validate test case to meet business requirements.
* Used **Eclipse** as the IDE with **Maven** as the build tool.

**Environment: JAVA, Spring, HTML**, **CSS, JavaScript, jQuery, Struts,** **Spring MVC, Servlets, Struts, SDLC, Agile methodology, SCRUM, MVC design patterns, JPA, Junit, JIRA, Maven, Log4J, Eclipse.**

**EDUCATION:**

Bachelors in Sree Vidyanikethan Engineering College**.**