

Veeran Mula

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PROFESSIONAL SUMMARY

- Software developer with more than **5 years** of experience in building enterprise business web applications. Looking for opportunities to use my experience in building apps and keen learning skills to build tools that have the potential to improve individual lifestyles.
- Experience in developing multi-tier distributed web applications using **Java**, **J2EE**, **Spring Framework**, **Hibernate**, **gRPC** and **REST** based Web services.
- Experienced with **Java 8** features, including *Lambda expressions*, *Stream API*, and *Predicate*, as well as proficient in **Java 11** features such as the *Local-Variable Syntax for Lambda Parameters* and the *HTTP Client API*.
- Implemented **J2EE design patterns** such as *DAO (Data Access Object) pattern*, *Singleton Pattern*, and *Factory Pattern* in development of multi-tier distributed enterprise applications.
- Worked with **Spring Framework** modules such as **Spring Boot**, **Spring MVC**, **Spring Data JPA**, **Spring Cloud** and **Spring Reactor**.
- Experience in **Microservices** utilizing Spring Boot, and a strong understanding of patterns such as **Circuit Breaker/Hystrix**.
- Experienced in **AWS** services such as Amazon **EC2** for scalable compute resources, Amazon **RDS** for managed relational databases, Amazon **S3** for efficient storage of assets, and Amazon **Lambda** for serverless application components.
- Utilized the power of modern multi-core processors by implementing **multithreading** in Java, significantly improving performance through concurrent task execution.
- Experience in persistence frameworks like **Hibernate ORM** and **Spring Data JPA**.
- Thorough knowledge of **SQL** and experience in **RDBMS** such as **Oracle**, **SQL Server**, and **PostgreSQL** as well as in **DBMS** like **DSE Cassandra** and **MongoDB** to effectively manage extensive data sets.
- Experience in creating **Docker** images, managing containers, implementing push/pull processes, and integrating them with Spring Boot and **CI/CD** pipelines.
- Developed **Python** and **Shell scripts** to automate tasks.
- I have utilized **Kubernetes** to orchestrate and manage the containerized Java microservices.
- Experience working with messaging queues like **Kafka**.
- Experience using building tools like **Maven** and **Jenkins**.
- Proficient in unit testing using **JUnit** and **Mockito**.
- Utilized **Splunk** for in-depth data analysis in software development.
- Used **Git** for version control.

Work Experience

Java Developer

CIBC, Toronto

September 2021 to Present

Responsibilities:

- Actively participated in *migrating legacy code bases from Java 8 to Java 11* to enhance performance and efficiency. Achieved an *increase from 850 TPS to 1000 TPS* through the implementation of **gRPC** and **Spring Reactor**.
- Involved in developing services aimed at *reducing the activation time for devices* through methods such as adopting a microservices architecture, implementing asynchronous programming, and employing caching techniques using **Redis**.
- Worked on building backend **REST APIs** for sales dashboard used for reporting.
- Utilized the **Amazon EC2** container services and **AWS admin** console to deploy Docker

containers containing Spring Boot-based microservices.

- Used **DSE Cassandra** to support the reactive nature of the application and to store the state of the order and devices.
- Designed and developed **Microservices** using **Spring Cloud** and **Spring Boot** framework.
- Performed complete database operations for various layers using **Spring Data JPA** (ORM).
- Utilized **Spring MVC** to implement a robust and modular web application architecture
- Used Microservices to communicate using synchronous protocols **HTTP** and **REST**.
- Implemented a persistent layer with **Oracle** to establish a robust retry mechanism for database transactions.
- Developed optimized **SQL** queries to manage data operations (retrieve, insert, update, and delete) within relational databases.
- Implemented **Python** and **Shell scripts** to automate jobs and route requests.
- Utilized **Log4j** to effectively document regular debugging and exception handling.
- Developed and deployed scripts using **Maven** as build tools in **Jenkins** to transition from one environment to another.
- Implemented robust access controls and logging to comply with **SOC 2** data security requirements.
- Performed unit and integration testing using testing frameworks such as **JUnit** and **Mockito**.

Environment: Java, J2EE, GRPC, Spring Boot, Microservices, Redis, Oracle, DSE Cassandra, AWS, REST APIs, SOC 2, Python, SQL, JUnit, Mockito, Postman, Log4j, Maven, Jenkins, Git.

Java/J2EE Developer.

The Home Depot, Toronto

July 2020 to August 2021

Responsibilities

- Engaged in the design and development of a daily sales report generation application using Microservices architecture, *resulting in a 30% reduction in report generation time* (from 24 minutes to 17 minutes)
- Developed and Managed the project in an **Agile** environment following the **SCRUM** iterative incremental model.
- Implemented persistent layer with **Spring Data ORM** to perform CRUD operations.
- Implemented fail-safe and circuit breaker patterns in Spring Boot Microservice applications using **Hystrix**.
- Developed task scheduling using **Multithreading**.
- Configured **Swagger-UI** to register Microservice with **Eureka server** and monitored service health check from Spring Boot admin console.
- Utilized **Spring Ribbon** for load balancing and Netflix Eureka for **Microservice** Registration.
- Used **Elasticsearch** to enhance search functionality by implementing a robust full-text search engine for efficient real-time data retrieval.
- Wrote **Docker** files to build Docker Images and run them on Docker containers.
- Utilized **Kubernetes** to orchestrate and manage the containerized Java microservices.
- Involved in development of the user interface for the application using **AngularJS**, including controllers, services, and filters, and actively participated in bug-fixing.
- Used **Kafka** for various use cases, including real-time data ingestion from multiple sources, log aggregation, and building scalable data processing pipelines.
- Designed flexible and efficient data models using **PostgreSQL**'s complex data types like arrays, hstore, and JSON.
- Crafted test cases for all layers (Controllers, Services, and DAO), improving the code coverage to 90% with a Quality Gate pass in **SonarQube**.
- Utilized the **JIRA** ticketing system to monitor and manage tasks and issues assigned to individuals.
- Performed Real-time Monitoring, Debugging and Troubleshooting using **Splunk**.

- Leveraged **PL/SQL**, Stored Procedures, triggers, and Queries for data management and execution.
- Implemented various Validation Controls for form validation and implemented custom validation controls with **JavaScript**.
- Managed version control for large-scale projects using **Git**.

Environment: Java, Spring, Microservices, AngularJS, Swagger, Docker, Kafka, PostgreSQL, Netflix Eureka, Kubernetes, Elasticsearch, JIRA, Splunk, SCRUM, PL/SQL, JavaScript, Git.

Java Developer

Bajaj Insurance, India

May 2018 to June 2020

Responsibilities:

- Developed *web-based chat room application* for auctions using **NodeJS** and **Express**.
- Used **Socket.io** along with **Node** and **Express** to build the chat rooms for auctions.
- I utilized **React** and **Redux** to implement a robust real-time dashboard, for efficient state management and a component-based architecture.
- Utilized **MongoDB's** document-oriented design to store data flexibly in the form of JSON-like documents, enabling simplified data manipulation and retrieval.
- I've integrated **Redis** as a caching layer to reduce the load on the primary data source, which significantly improved response times for users.
- Developed and optimized domain-specific **microservices** within the auction platform by implementing **RESTful APIs** and integrating **Docker** for streamlined deployment.
- Using **Spring Framework** implemented *dependency injection*, *action classes* through application Context **XML** and initialized managed beans and services.
- Supported login and registering using **SSO**.
- Worked with Model-View (MV) Frameworks like **Bootstrap**.
- Designed and documented **REST/HTTP APIs**, including **JSON** data formats and API versioning strategy.
- Created and consumed **SOAP** Web Services using **JAXB** annotations.
- Developed persistence layer Data access objects using **DAO** pattern, **JDBC**, **Hibernate**.

Environment: JavaScript, NodeJS, Express, React, Redux, Socket.io, MongoDB, Redis, Spring Boot, MicroServices, RESTful APIs, Bootstrap, SOAP, DAO, JDBC, Hibernate.

Education

Bachelors of Computer Science
JNTU, Hyderabad, India

TECHNICAL SUMMARY

Programing/Scripting Language	Java, J2EE, JavaScript, Python, React JS, Angular JS, CSS, JSON, AJAX, DOM, HTML, Bootstrap.
Web Services	RESTful, gRPC, XML, SOAP, Apache Maven, Apache Tomcat, Docker, Microservices, Design Patterns, Elasticsearch, SOC 2
Frameworks/tools	Spring Boot, Hibernate, Kubernetes, Kafka, Postman, JUnit, Mockito
Database	MySQL, DSE Cassandra, Oracle, MangoDB, Redis
Operating Systems	Windows, UNIX/LINUX, Mac OS
IDE and Tools	IntelliJ, Eclipse, Swagger, Maven, Jenkins, Splunk, Jira
Cloud	Git, AWS, GCP