

# DEVULAPALLI SURYA SRI RAM

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## TECHNICAL SKILLS

**Programming Languages:** Java (including Java 8 and 17), SQL, HTML/CSS, React.js.

**Frameworks & Libraries:** Spring Boot, Spring WebFlux, Spring MVC, Hibernate, JSP, Servlets, Lombok.

**Cloud & Platform Services:** AWS, PCF, OCP.

**API & Integration:** RESTful APIs, Swagger (OpenAPI), Kafka, Redis, JDBC.

**Monitoring & Observability:** Splunk, APM Tools (Elastic, Splunk Observability Cloud)

**Build & CI/CD Tools:** Gradle, Apache Maven, GitHub Actions, Jenkins, Harness

**Database:** MySQL, MongoDB, MS SQL Server, Oracle DB.

**Testing & Quality:** JUnit, Mockito, SonarLint, Postman.

**Development Tools:** IntelliJ IDEA, Eclipse

**Project Management & VCS:** JIRA, Git, GitHub

## WORK EXPERIENCE

### Capgemini Technology Services – Hyderabad, India

*Java Developer*

*July 2024 – Present*

- Developed and maintained microservices-based enterprise applications, focusing on performance, scalability, and fault-tolerance.
- Automated build and deployment pipelines using **GitHub Actions** and **Harness**, reducing manual deployment efforts by **25%** and improving deployment consistency.
- Utilized **Redis** caching mechanisms to optimize error-handling flows and data retrieval during reconciliation, improving system recovery time during failures.
- Enhanced database performance by implementing indexing strategies in **MongoDB**, leading to a **50%** improvement in query execution times.
- Employed **Junit** and **Mockito** for comprehensive unit and integration testing, achieving **85%+** test coverage and reducing production defects.
- Environment:** Java 17, Gradle, Spring Boot, REST, Microservices, Junit, Postman, Lombok, MongoDB, Microsoft SQL Server, GitHubActions, Jenkins, Harness, Redis, Kafka.

### TECHNOPARINSoft Private Limited – Hyderabad, India

*Software Engineer*

*Nov 2023 – Jul 2024*

- Developed and optimized RESTful microservices using Java 8 and Spring Boot, enhancing scalability, supporting high availability, and reducing response time by 20%.
- Implemented comprehensive unit tests with Junit, contributing to a 25% reduction in critical bugs and ensuring robust application performance.
- Managed database operations on MySQL and MongoDB, achieving a 30% improvement in response times.
- Environment:** Java 1.8, Spring Boot, Spring WebFlux, REST, Microservices, React, Junit, Postman, JDBC, Lombok, MongoDB, MySQL, GitHub, Jenkins, AWS.

### ACCENTURE Solutions Private Limited – Hyderabad, India

*Software Engineer*

*Feb 2021 – Jul 2023*

- Created over 10+ web pages using JSP and CSS, which improved user interface design.
- Established robust database connectivity with JDBC, ensuring seamless data exchange between the application and MySQL database.
- Leveraged agile methodologies to streamline project execution, achieving a 10% reduction in defects and enhancing project delivery timelines.
- Environment:** Java 1.8, Spring Boot, Spring WebFlux, REST, Java 1.7, JSP, Servlets, JDBC, Apache Maven, Apache Tomcat, Oracle DB, HTML, CSS, Junit, Postman.

## **PROJECTS**

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### **1. Point of Sale (POS) APPLICATION:**

[Spring Boot, MongoDB, Gradle, REST APIs, SonarQube, Postman, GitHub Actions, SonarLint, Junit, Splunk]

#### **RESPONSIBILITY:**

- Developed scalable microservices to handle high-volume POS transactions across multiple merchant outlets.
- Implemented custom error handling and fallback strategies to ensure seamless operation even in partial failure scenarios.
- Deployed CI/CD pipelines using GitHub Actions and Harness, enabling faster and safer rollouts.
- Enabled end-to-end observability by integrating APM and Splunk logging to monitor service health, track transaction flow, and quickly diagnose production issues.

### **2. Reactive Credit Line Increase (RCLI) APPLICATION:**

[MongoDB, MS SQL Server, Spring Boot, Gradle, REST, Junit, Splunk, SonarQube, Redis, Kafka, Gradle, Junit]

#### **RESPONSIBILITY:**

- Built reactive services to evaluate and adjust customer credit lines in real time based on financial data and user behavior.
- Integrated Redis caching for real-time access to frequently used data, reducing dependency on database lookups during reconciliation process.
- Published credit decision events to **Apache Kafka** topics to enable downstream services like analytics and notifications to react asynchronously and reliably
- Integrated application monitoring using Splunk and APM tools to proactively track production issues, latency spikes, and service availability.

### **3. INSURANCE APPLICATION:**

[Spring Boot, Spring WebFlux, MongoDB, React, Postman, SonarLint, Swagger]

#### **RESPONSIBILITY:**

- Architected complex functionalities in backend services leveraging Java Spring Boot framework, leading to a 30% increase in concurrent user capacity and a 20% improving overall reliability.
- Utilized MongoDB for efficient data storage and retrieval, enhancing performance and scalability of system operations.
- Crafted the frontend UI using React.js, enhancing user interface responsiveness and interactivity, which improved customer engagement by 15% and reduced page load times by 25%.

### **4. PORT MANAGEMENT Services (PMS) APPLICATION:**

[ JSP, Servlets, JDBC, MySQL, HTML, CSS]

#### **RESPONSIBILITY:**

- Engineered highly scalable backend functionalities using Java Servlets and JSP, optimizing database queries and reducing API response time by 40%.
- Designed and implemented a comprehensive MySQL database schema, enhancing data integrity and retrieval efficiency, which decreased data-related errors by 15%.

## **EDUCATION**

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**OSMANIA UNIVERSITY – Hyderabad, INDIA**

*Sep 2020*

Bachelor of Engineering, Electrical Engineering;