YALAMANDA MADASU

Chennai, India

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Summary

Detail-oriented Software Engineer with 3.5+ years of experience — including 1 year in Application Support and over 2 years in Software Development. Proficient in building secure, scalable backend systems using Java, Spring Boot, JPA, and REST APIs. Hands-on experience in Angular, AWS, CI/CD, and agile development. AWS Certified Cloud Practitioner with a strong track record in modernizing enterprise applications and delivering resilient microservices.

Technical Skills

Languages: Java, JavaScript, TypeScript, Shell Script, HTML, CSS
Frameworks: Spring Boot, JPA, JAX-RS, Angular, Bootstrap
Databases: DB2, PostgreSQL, SQL
Cloud & DevOps: AWS (Certified), CI/CD, Linux, Git, IBM Monitoring
Tools: ServiceNow, Maven, GitHub, STS
Methodologies: Agile (Scrum), SDLC, Secure Coding, Root Cause Analysis

Certifications

- AWS Certified Cloud Practitioner – Amazon Web Services

Experience

Tech Mahindra – Software Developer   **Jan 2023 – Present**
Client: Nissan Group of North America   *Chennai, India*

Project: Property Maintenance
- Worked on migration of property tracking system to Spring Boot using Java 8+.
- Implemented business logic and RESTful services to map part-material relationships.
- Used JDBC Template for data processing and deployed services in AWS.
- Wrote JUnit/Mockito tests and participated in Jenkins-based CI/CD deployment.
- Maintained documentation and collaborated on microservice transformation.

Project: Container Management System (CMS)
- Developed backend services and REST APIs to manage container logistics.
- Built Angular-based UI for container receipt, dispatch workflows, and live updates.
- Integrated supplier and driver routing logic and managed PostgreSQL schema.
- Ensured secure JSON data exchange between frontend and backend.
- Worked with cross-functional teams to deliver reliable and maintainable modules.

Project: WMS-YMS (Warehouse & Yard Management System)
- Migrated legacy container tracking system to Spring Boot with JPA and REST APIs.
- Built services for real-time updates on shipments, routes, and container location.
- Enabled yard visibility and logistics tracking using container arrival/departure info.
- Participated in architecture analysis and backend feature modernization.

Tech Mahindra – Application Support Engineer   **Dec 2021 – Dec 2022**
Client: Nissan Group of North America   *Chennai, India*
- Provided L2/L3 support for critical supply chain systems with tight SLAs.
- Automated operational tasks using Shell and Node.js.
- Supported AWS migration activities and validated production environments.
- Resolved P1/P2 incidents via root cause analysis and collaborative triage.

Education

QIS College of Engineering and Technology   **2016 – 2020**
B.Tech in Electrical and Electronics Engineering   *Andhra Pradesh, India*