Amram Raju Madipalli

SOFTWARE ENGINEER

+1 (972) 399-9119 | amrammadipalli@gmail.com | LinkedIn | GitHub

Software Engineer with 5+ years of experience delivering scalable web platforms and backend services using Java (8+), Spring Boot, Spring MVC, and RESTful architectures. Experienced in building modern UI components with React.js, TypeScript, Redux, and Material-UI, and integrating enterprise systems using JSON and XML. Skilled in Agile delivery and automated CI/CD pipelines with Jenkins, Docker, Kubernetes, and GitHub Actions. Proven experience deploying LLM-powered automation in production for log summarization, incident triage, and faster root-cause analysis. Strong expertise in microservices design, database optimization, and production troubleshooting, leveraging GenAI-driven operational insights to improve reliability and engineering decision-making.

SKILLS

- **GenAI / LLM Engineering:** Prompt Engineering (system/user prompts, templates), LLM API Integration (OpenAI/Azure OpenAI), LLM summarization & reasoning workflows, Context injection + chunking strategies, RAG fundamentals (document + vector retrieval), Token limits + latency + cost handling, Output validation + hallucination reduction
- **Programming Languages:** Java (8/11/17), Python, JavaScript, TypeScript, C++, SQL
- **Backend & APIs:** Spring Boot, Spring MVC, J2EE, JDBC, RESTful APIs, GraphQL, JSON, XML, Maven, Hibernate
- **Web / Frontend:** React.js, HTML5, CSS3, Bootstrap, AJAX, jQuery, Redux, Material-UI
- **Python Frameworks:** Flask, FastAPI, Django
- **Testing & QA:** JUnit, PyTest, Postman, TDD, BDD
- **Databases:** Oracle, MySQL, PostgreSQL, SQL Server, MongoDB, DynamoDB
- **DevOps / CI/CD:** Jenkins, Docker, Kubernetes, GitHub Actions, Tomcat, Linux
- **Tools & Methodologies:** Git, GitHub, Bitbucket, Jira, Agile, Scrum
- **Cloud:** AWS (EC2, S3, Lambda, SageMaker), Azure

PROFESSIONAL EXPERIENCE

KPMG| USA   Jul 2024 – Present
Software Engineer
- Built and scaled enterprise backend services using Java 17, Spring Boot, and Node.js, delivering API-driven business workflows and platform integrations that supported multiple production-grade modules and stable multi-environment releases.
- Owned live-system incident handling and operational stability by performing log analysis, hotfix deployments, and remediation, closing 25+ production tickets and cutting incident triage time by 15–25 minutes through LLM-driven incident summarization.
- Designed and delivered a GenAI-powered incident triage solution that analyzed logs and traces to generate outage summaries and resolution recommendations, supporting 10+ on-call incidents and improving engineering response.
- Automated observability workflows by developing Python utilities for log ingestion, normalization, and enrichment, processing 8K+ log lines per day, and saving 1–2 hours per week through automated summarization and anomaly detection.
- Established secure access control across internal and client-facing services by implementing role-based authentication and authorization mechanisms, ensuring consistent protection of sensitive business and regulatory data across APIs.
- Architected a resilient persistence and data access layer using Hibernate and JDBC, enabling high-volume transactional processing in production with optimized data access and fault-tolerant interaction patterns.
- Implemented GraphQL APIs to enable flexible, client-driven data retrieval across backend services, reducing over-fetching and simplifying frontend integration for internal applications.
- Delivered reporting and audit data pipelines by engineering SQL and PL/SQL queries, stored procedures, indexes, and execution plans across Oracle and MySQL environments, supporting 40+ report runs and improving execution times by 2–6 seconds.
- Elevated release reliability by introducing automated unit, integration, and regression test coverage with JUnit and CI-driven validation pipelines, preventing 10+ defects per release cycle through stronger pre-deployment quality gates.

Accenture | India   Jun 2019 – Jul 2022
Software Engineer
- Drove production stability by investigating and resolving 20+ live incidents through log analysis, SQL integration debugging, and cross-team coordination with QA, consistently achieving an average closure time of 48 hours.
- Delivered end-to-end backend services using Java and Spring Boot and integrated them with React.js user flows, enabling execution of core business processes across multiple teams and reducing manual processing dependencies for faster operations.
- Optimized data and transaction workflows by refactoring 18+ complex SQL queries and re-engineering 7 stored procedures, improving throughput for 800+ daily records while strengthening audit-ready tracking across enterprise systems.
- Managed full build and release pipelines by maintaining 30+ Maven artifacts and deploying applications on Apache Tomcat, ensuring reliable rollouts across DEV, QA, UAT, and PROD environments with minimal downtime.
- Enabled cloud-based testing and release validation by supporting AWS S3 and EC2 environments, organizing 500+ deployment artifacts and log files to ensure repeatable verification across multiple environments.

Adani | India   Dec 2018 – May 2019
Software Engineer Intern
- Delivered 3+ internal web components using JavaScript and React, enhancing usability for 15+ daily users across teams.
- Supported reporting workflows by optimizing 10+ SQL queries, enabling weekly report generation for 2+ stakeholders.
- Contributed to platform stability by resolving 12+ bugs and tickets through issue reproduction, log-level debugging, and coordination with senior engineers to implement fixes.

EDUCATION

Wichita State University, KS, USA   Aug 2022 – May 2024
Master of Science in Computer Science

SRKR Engineering College, India   Jun 2015 – May 2019
Bachelor of Technology (B.Tech) in Information Technology

CERTIFICATIONS

Azure AI Engineer Associate, Oracle Certified Professional, Java SE 11 Developer, AWS Certified Developer – Associate