Varija Balumuri

Holly Springs, NC | (401)834-4255 | varija@techsmail.com | [LinkedIn](#)

SUMMARY

Software Development Engineer with 5+ years of experience building Java + Spring Boot applications with Angular frontends, Kafka-based microservices, and CI/CD on AWS. Engineered in performance tuning, security (JWT, Spring Security), and real-time data processing across insurance and SaaS platforms. Improved claim lookup performance by 45% and supported 4.5M+ monthly transactions by refactoring backend logic and scaling microservices at Unum.

SKILLS

- **Programming Languages & Frameworks**: Java, SQL, Spring Boot, Spring MVC, Hibernate, Node.js
- **Cloud Technologies**: AWS (S3, Lambda, EC2, RDS), Docker, Kubernetes, Serverless Architecture, Microservices
- **Databases & Data Management**: Oracle, MySQL, SQL Server, PostgreSQL, MongoDB, Cassandra, DynamoDB, Redis
- **Web Technologies & Front-End Development**: HTML5, CSS3, JavaScript, TypeScript, React, Redux, WebSockets
- **DevOps & CI/CD**: Jenkins, CI/CD Pipelines, SonarQube, Terraform, Monitoring, Log Management
- **Software & Tools**: Jira, Maven, Git, Gitlab, Confluence, Eclipse, IntelliJ IDEA, VS Code, Postman

EXPERIENCE

Unum
Full Stack Engineer

Dec 2023 - Present
Holly Springs, NC

- Built Java 17 + Spring Boot microservices to generate real-time insurance quotes using customer history and risk models; improved external actuarial call performance by 31% with WebClient over RestTemplate.
- Migrated legacy claim-processing flows to Spring Cloud (Eureka, Hystrix) microservices with circuit breakers and failover logic, reliably to 4.5M+ transactions/month.
- Set up Kafka-based async pipelines for quote revisions and claim events; cut API blocking and refined modularity across 5 major policy-related services.
- Refactored PostgreSQL queries using JPA/Hibernate, optimized indexes and removed nested subqueries; cut claim history lookup times by 45% in customer-facing modules.
- Generated Angular components for quote details and policy event timelines, wired with reactive service calls and loading/error states; enhanced advisor UX during live quoting sessions.
- Integrated a REST endpoint to serve AI-driven fraud scores generated by internal LLM-based models; added JSON schema validation and centralized error logging using Log4j and CloudWatch.

AIG
Software Engineer

Jan 2023 - Nov 2023
Holly Springs, NC

- Developed RESTful APIs using Spring Boot to manage end-to-end claims workflows including intake, approval, and disbursement ensuring stable throughput of over 1.8 million transactions per month with consistent SLA adherence.
- Implemented role-based access control using Spring Security and JWT tokens for adjusters, policyholders, and third-party assessors; post-deployment audit showed complete elimination of unauthorized access attempts.
- Set up SonarQube with strict quality gates and built JUnit + Mockito test coverage exceeding 80% across critical paths; helped cut post-release defect rates by 65% within two quarters.
- Refactored large monolithic services into Kafka-enabled microservices with Resilience4j for circuit breaking and retries; enabled scalable multi-region deployments on AWS (EC2, S3, RDS) with effected failover support.
- Authored complete Swagger/OpenAPI documentation for internal and external-facing APIs; accelerated new developer onboarding and cut integration queries by over 40% across teams.
- Containerized services with Docker and built Jenkins pipelines to enable automated CI/CD; used Canary deployments to roll out claim validation modules safely in production with zero rollback incidents.

Sage Softtech
Software Developer

Feb 2019 - Jul 2021
Holly Springs, NC

- Developed backend modules using Java 11 and Spring MVC for a B2B CRM platform used by 120+ enterprise clients; implemented key features across customer onboarding, account setup, and support ticketing.
- Revitalized MySQL queries and redesigned JPA entity mappings to streamline data joins; cut report generation time by 50% for sales forecasting and client billing workflows.
- Integrated Redis caching for session tokens and frequent dashboard queries, reducing database load and improving page load speed by 2x during high-traffic hours.
- Wrote 20+ JUnit and Mockito test suites covering major modules with 92%+ test coverage; reduced regression bugs during bi-weekly releases and upgrade stability.
- Maintained detailed documentation in Confluence, participated in peer code reviews, and contributed to sprint planning, demos, and backlog grooming under Agile methodology.

EDUCATION

The University of Alabama in Huntsville
Master's in computer science

Dec 2022

KL University
Bachelor's in information technology

May 2021

CERTIFICATIONS & ACHIEVEMENTS

- Recognized with the "Innovation Excellence Award" for identifying a recurring customer pain point and delivering feature that reduced support tickets and enhanced user transparency and awarded the "Rapid Impact Award" for independently delivering 3+ features and bug fixes within the first quarter, demonstrating strong ownership.
- AWS Certified Developer – Associate, Validation Number: [3LYJK6M2T1E1Q5WC](#)