Sheshwanth Gundeti

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PROFESSIONAL SUMMARY

Full Stack Java Developer with 5+ years of experience in designing and delivering scalable, cloud-native applications. Proficient in Java, Spring Boot, React, and AWS, with deep knowledge of microservices architecture, RESTful API design, and CI/CD practices. Experienced in both healthcare and financial domains, with a strong commitment to clean code, system reliability, and Agile development. Exploring Generative AI tools like GitHub Copilot and Gemini Code Assist to accelerate feature development, automate test generation and improve developer productivity.

TECHNICAL SKILLS

Languages: Java (8/11/17), JavaScript (ES6+), TypeScript, SQL, Python.
Frontend: React.js, Next.js, Angular, HTML5, CSS3, Bootstrap.
Backend: Spring Boot, Spring MVC, Spring Security, REST APIs, Hibernate, JPA, Microservices.
Cloud & DevOps: AWS (EC2, S3, RDS, Lambda, API Gateway), Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, Helm, AWS CDK.
Messaging: Apache Kafka, RabbitMQ.
Databases: MySQL, PostgreSQL, Oracle, MongoDB, Redis
Testing: JUnit, Mockito, Postman.
Monitoring & Logging: ELK Stack, Prometheus, Grafana, AWS CloudWatch.
Tools: Git, GitHub, GitLab, Jira, Swagger, Maven, Gradle, GitHub Copilot, Gemini, OpenAPI.
Practices: Agile (Scrum, Kanban), CI/CD, TDD.

PROFESSIONAL EXPERIENCE

Capital Group – San Antonio, TX
Full Stack Java Developer   **November 2022 – Present**

- Refactored a monolithic application into 12 microservices, reducing deployment time by 80%.

- Increased unit test coverage from 55% to 92% across services by enforcing TDD and introducing a coverage dashboard in Jenkins.

- Improved system observability by implementing centralized logging and alerting using ELK and CloudWatch, reducing downtime investigation time by 40%.

- Spearheaded the integration of OAuth2 and JWT-based security, ensuring 100% compliance with internal audit requirements.

- Mentored 2 junior developers and conducted bi-weekly tech sessions, contributing to a 25% reduction in onboarding ramp-up time.

- Designed a CI/CD pipeline using GitHub Actions and Jenkins that cut release cycle time from weekly to daily.

- Developed React.js-based frontend interfaces with Redux for data-driven applications.

- Designed fault-tolerant distributed architecture with Kafka and microservices.

- Built AWS infrastructure using EC2, S3, Lambda, RDS, and API Gateway.

- Deployed Dockerized applications to AWS EKS using Jenkins/GitHub Actions pipelines.

- Implemented Resilience4j for circuit-breaking patterns to handle downstream API failures.

- Built unit and integration tests with JUnit and Mockito; validated API contracts using Postman and Swagger definitions.

- Participated in sprint planning, design reviews, and API contract discussions across backend and frontend teams.

Optum Technologies – Hyderabad, India
Java Developer   August 2021 – June 2022

- Built a healthcare claim validation pipeline that processed 50,000+ claims per day with less than 1% failure rate.

- Reduced backend exceptions by 35% by implementing centralized error handling and validation layers.

- Integrated caching for patient record APIs using Redis, improving endpoint performance by 300ms on average.

- Partnered with QA to automate 60% of regression tests using Postman Collections and CI triggers.

- Developed Angular 8 user interfaces with RxJS and reusable components.

- Built backend services with Spring Boot for a healthcare claims management platform.

- Authored API specifications using Swagger and performed Postman-based API testing.

- Automated deployments with Jenkins pipelines, enhancing release stability.

- Implemented exception handling and consistent REST error structures.

Cyient – Hyderabad, India
Software Engineer   **June 2020 – July 2021**

- Migrated 8 modules from JSP to Spring Boot microservices, improving release velocity and enabling independent deployments.

- Designed Redis-based caching strategy for frequently queried location data, reducing DB load by 30%.

- Created a custom admin dashboard using React that increased internal team efficiency by 20%.

- Identified and resolved a critical memory leak in production that reduced system crashes by 80%.

- Facilitated sprint retrospectives and proposed process improvements that led to 15% better sprint velocity.

- Developed full-stack modules using React.js and Spring Boot for internal GIS applications.

- Maintained Redux state and optimized React component rendering logic.

- Used Hibernate and JPA for ORM and improved performance via lazy loading and native queries.

- Managed version control and branching with Git, GitHub, and GitLab using GitFlow.

- Provided defect fixes during QA and UAT testing phases.

Project Highlights

- **Standardized API documentation** using Swagger/OpenAPI, improving team collaboration and integration speed.

- **Implemented distributed messaging** with RabbitMQ for decoupled, high-throughput claim validation.

- **Automated multi-env deployments** via Jenkins pipelines, reducing release errors and manual overhead.

AI/GenAI Exposure & Achievements

- Hands-on beginner-level experience with AI-assisted coding using GitHub Copilot and Gemini Code Assist.
- Built small-scale features such as CRUD endpoints, API integrations, and React UI components through AI prompt-based code generation.
- Used AI tools to auto-generate unit tests, boilerplate code, and API documentation, reducing manual effort and improving developer productivity.

Achievements

- Led TDD adoption, boosting unit test coverage to 90%+ across services.
- Mentored 2 interns into productive full-time developers.
- Resolved critical memory leak in legacy app, improving system uptime.

EDUCATION

Master of Science in Computer Science
University of Central Missouri
Graduation: June 2024

Bachelor of Technology in Computer Science
Graduation: May 2020

CERTIFICATIONS

- AWS Certified Developer – Associate (LinkedIn)
- Azure Developer Associate - Microsoft
- Certified Kubernetes Application Developer (CKAD) – Udemy
- Java SE 17 Certified Developer – LinkedIn
- Oracle Cloud Infrastructure Architect Associate - In Progress
- OpenAI – ChatGPT Prompt Engineering for Developers - Coursera