BHAVYA KANDHARI

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SUMMARY

Software Engineer with 3 years of experience building scalable backend services and modern web applications across insurance and enterprise domains. Expert in Java/Spring Boot microservices, REST API development, and React-based UI engineering with a focus on performance and usability. Skilled in AWS cloud integration, CI/CD automation, and database optimization to improve reliability, scalability, and business process efficiency. Adept at translating complex requirements into secure, maintainable, and high-impact technical solutions.

EDUCATION

Master of Computer Science (MCS) | Arizona State University, Tempe, Arizona. **May 2025**

Bachelor of Technology in Computer Science and Engineering | Amity University, Noida **June 2021**

SKILLS

Languages: Java, JavaScript, TypeScript, Python, SQL

Backend: Spring Boot, Spring MVC, Spring Security, Hibernate, Node.js, REST APIs, Kafka, RabbitMQ

Frontend: React.js, HTML, CSS, Bootstrap, Tailwind CSS, Redux

Cloud: AWS (EC2, S3, Lambda, API Gateway, RDS, CloudWatch), Azure (Functions, Virtual Machines)

DevOps: Git/GitHub, Docker, GitHub Actions, Jenkins, Maven, Gradle, Terraform, CI/CD

Database: PostgreSQL, MySQL, MongoDB, Redis

Testing & SDLC: JUnit, Mockito, Selenium, Vitest, Unit Testing, Integration Testing, Jira, Scrum

EXPERIENCE

Liberty Mutual Insurance, USA | Software Engineer **Jan 2025 – Present**

- Built backend services supporting claims and policy workflows using Java, Spring Boot, and REST APIs in a production insurance environment.
- Redesigned a claims-processing module using Java, Spring MVC, and Spring Boot, building REST APIs that reduced response times by ~35% and improved claims and underwriting workflow reliability.
- Centralized policy and customer data by building secure REST APIs with Spring Boot and Spring Security, reducing manual reconciliation efforts and improving data retrieval accuracy by ~40%.
- Improved user experience by building components for policyholder portal with React, Redux, and TypeScript, reducing page load times and lowering drop-off during quote generation.
- Optimized database performance by refactoring Hibernate queries and adding indexes on AWS RDS (PostgreSQL), cutting claims and policy lookup by ~200ms per request.
- Implemented Kafka-based event streaming to synchronize underwriting, policy, and claims services, improving cross-service data consistency and reliability by ~25%.
- Created CI/CD pipelines using GitHub Actions, Jenkins, and Docker to automate build-test-deploy workflows, reducing release failures by 50% and enabling zero-downtime deployments.

Ernst & Young (EY), GDS – Kolkata, India | Associate Software Engineer **Sep 2021 – Jul 2023**

- Developed an internal document management system using Java, Spring Boot, AWS, MySQL, streamlining employee document workflows and reducing operational overhead for multiple business teams.
- Designed UI components using HTML, CSS, and JavaScript, integrating them with backend RESTful APIs.
- Improved document storage reliability and access control by integrating AWS S3, with Spring Boot based REST APIs for secure internal file management.
- Streamlined batch data processing and workflows using Spring Batch, SQL with optimized queries, stored procedures, and triggers cutting manual processing time from several hours to ~1 hour.
- Enhanced software quality by implementing unit and integration tests using Junit and Mockito, achieving 70%+ test coverage and reducing post-release defects.
- Automated build and quality checks by implementing CI/CD pipelines with Jenkins and GitHub, integrating SonarQube for static code analysis and reducing deployment-related issues.
- Enhanced system stability by monitoring and debugging applications using logging, profiling, and performance monitoring tools, reducing incident response times in production environment.