VENKATESH KURVA

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PROFESSIONAL SUMMARY

Backend-leaning Full Stack Developer with 4 years of BFSI experience delivering Insurance and Payments platforms using microservices architecture. Strong in Java 11/17, Spring Boot, REST APIs, Spring Security (JWT/OAuth2 patterns), SQL, and AWS (EC2, RDS, S3, IAM, CloudWatch), with frontend contributions in Angular (TypeScript, RxJS, Angular Material). Experienced in production support, incident triage (P1/P2), RCA, performance tuning, and reliability improvements.

TECHNICAL SKILLS

Backend	Java 11/17, Spring Boot, Spring MVC, Spring Security, JPA/Hibernate, REST APIs, Microservices, Swagge
Frontend	Angular 12/13/14+, TypeScript, RxJS, Angular Material, HTML5, CSS3
AWS	EC2, RDS, S3, IAM, CloudWatch (logs, metrics, alarms, dashboards)
Database	PostgreSQL / Oracle, SQL, Indexing, Query optimization
Streaming & Caching	Kafka, Redis
DevOps/Tools	Git, Maven, Jenkins/GitHub Actions, Docker, Postman
Testing	JUnit, Mockito, Jasmine/Karma, API testing (Postman/Newman)
Practices	Agile/Scrum, Jira/Confluence, Code reviews, Production support

PROFESSIONAL EXPERIENCE

Software Engineer (Full Stack – Backend Leaning) | **Capgemini**

Hyderabad, India | *Jul 2021 – Present*

Client Engagement: Payments Platform (BFSI) — Jul 2022 – Present

- Built **15–25+ Spring Boot REST APIs** for payment initiation, transaction lifecycle, refunds, and reconciliation across microservices.
- Implemented **idempotency** and retry-safe processing, reducing duplicate/partial transaction issues by **~40–60%**.
- Improved API latency by **~30–45%** via SQL tuning, pagination, payload optimization, and caching for read-heavy endpoints.
- Built event-driven workflows using **Kafka** to improve transaction state consistency and reduce delayed updates by **~25–35%** during peak loads.
- Strengthened security using Spring Security with JWT/OAuth2 patterns, request validation, and standardized error responses.
- Contributed to Angular modules (transaction search, filters, pagination, status tracking, export), improving UI load time by **~20–25%** through lazy loading and RxJS optimizations.
- **Production Support (L2/L3):** handled P1/P2 incidents, performed RCA using logs/metrics, delivered permanent fixes; reduced recurring incidents by **~25–30%** by addressing timeouts, callback delays, and invalid state transitions.
- Improved observability using correlation IDs, structured logging, and CloudWatch dashboards/alarms, reducing triage time by **~30–35%**.

Tech Stack: Java 11/17, Spring Boot, Spring Security, JPA/Hibernate, PostgreSQL/Oracle, Kafka, Redis, AWS (EC2/RDS/S3/IAM/CloudWatch), Angular, Jenkins, Git, Maven

Client Engagement: Insurance Policy Management (BFSI) — Jul 2021 – Jun 2022

- Delivered backend capabilities for policy onboarding, customer profile, document handling, and policy status tracking using Spring Boot services.
- Built and enhanced **10–15+ REST APIs**, improving stability through validations, consistent exception handling, and clean API contracts.
- Implemented secure access patterns for customer/agent/ops using Spring Security and JWT.
- Reduced onboarding API response time by **~20–35%** via SQL tuning, indexing suggestions, and payload optimization.
- Built Angular screens for onboarding and document flows, reducing UI defects using reusable components and consistent validation.
- **Production Support:** debugged onboarding failures and document upload issues, implemented fixes, and reduced repeat defects by **~15–20%**.
- Worked in Agile delivery: estimation, PR reviews, QA support, and release/hotfix coordination.

Tech Stack: Java, Spring Boot, Spring Security, JPA/Hibernate, PostgreSQL/Oracle, AWS (EC2/RDS/S3/CloudWatch), Angular, Git, Maven, Jenkins, Postman

CERTIFICATIONS

- AWS Cloud Practitioner Essentials (Course) – AWS Skill Builder – YYYY (update if certified: AWS Certified Cloud Practitioner (CLF-C02) – YYYY)

ACHIEVEMENTS

- Reduced duplicate/partial transaction issues by **~40–60%** by implementing idempotency and retry-safe processing.
- Reduced recurring production incidents by **~25–30%** by driving RCA and permanent fixes for top failure categories.
- Reduced triage time by **~30–35%** through correlation IDs, structured logging, and CloudWatch dashboards/alarms.

EDUCATION

B.Tech – Computer Science and Engineering
JNTUH College of Engineering Manthani | 2017 – 2021