VENKATESH KURVA

Software Engineer (Full Stack - Backend Leaning)

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EXPERIENCE

Software Engineer (Full Stack - Backend Leaning)

Capgemini

📅 07/2021 - Present 📍 Hyderabad, India

- Designed and developed 15-25+ **REST APIs** across payment initiation, transaction lifecycle, refunds, and reconciliation using **Spring Boot microservices**
- Implemented idempotency and retry-safe processing, reducing duplicate/partial transaction issues by ~40-60%
- Improved API latency by ~30-45% through SQL tuning, pagination, payload optimization, and caching for read-heavy endpoints
- Built event-driven processing using **Kafka**, improving transaction state consistency and reducing 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% via 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%

Client Engagement: Insurance Policy Management (BFSI)

Insurance Policy Management (BFSI)

📅 07/2021 - 06/2022 📍 Hyderabad, India

- 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

EDUCATION

B.Tech - Computer Science and Engineering

JNTUH College of Engineering Manthani

📅 2017 - 2021

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) for customer and operations portals. Experienced in production support, incident triage (P1/P2), RCA, performance tuning, and improving system reliability.

CERTIFICATIONS

Aws cloud practitioner

LANGUAGES

English
Advanced

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SKILLS

Backend

| Java 11/17 | Spring Boot | REST APIs |

| Spring Security (JWT/OAuth2 patterns) | SQL |

| AWS (EC2, RDS, S3, IAM, CloudWatch) |

| Angular (TypeScript, RxJS, Angular Material) |

Frontend

| Angular 12/13/14+ | TypeScript | RxJS |

| Angular Material | HTML5 | CSS3 |

Messaging/Streaming and Caching

| Kafka (event-driven workflows) | 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 |