Rutvik Jadhav

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PROFESSIONAL SUMMARY

Senior Software Developer specializing in High-Availability Distributed Systems and Microservices Architecture. Architect of mission-critical payment switches scaling to 6M+ daily transactions with 99.9% uptime. Expert in leveraging AI-driven development tools to accelerate system design and reduce prototyping cycles by 30%.

TECHNICAL SKILLS

- **Languages**: Java, C/C++, SQL, Shell, Python
- **Technologies**: Dapr, Kafka, Kubernetes, Docker, GCP, SQL (PostgreSQL, Yugabyte), NoSQL , Redis
- **Frameworks & Libraries**: JUnit, Spring Boot, JDBC, Hibernate, Flyway, Thymeleaf, Temporal
- **AI-Enhanced Dev**: Legacy Code Modernization, Boilerplate Automation, Intelligent Debugging, Rapid Prototyping
- **Monitoring & Scaling**: Keda, Grafana, GMP, OpenTelemetry, Zipkin
- **Developer Tools**: Bitbucket, Git, VS Code, IntelliJ IDEA

PROFESSIONAL EXPERIENCE

FYNDNA TECHCORP PVT. LTD. June 2022 – Present

Senior Software Developer *Pune, Maharashtra*

PROJECT: NEFT Payment Switch

- Architected and led the end-to-end design of a NEFT payment switch, defining core transaction flows using an AI-augmented approach to reduce prototyping time.
- Engineered 30+ microservices built on Java and Spring Boot, integrating Kafka and Dapr for resilient asynchronous payment flows.
- Orchestrated transaction states using Temporal workflows, reducing manual recovery efforts and improving reliability.
- **M**entored junior developers, conducting code reviews and leveraging AI tools to detect security vulnerabilities and edge cases.
- AI-Enhanced Development: AI-Driven Code Refactoring, Automated Unit Test Generation, Rapid Technology Prototyping.
- **Tech Stack:** Java, Spring Boot, Kafka, Dapr, Temporal, Docker, Kubernetes, CI/CD, Microservices

PROJECT: IMPS Payment Switch

- Developed and scaled an IMPS payment switch handling 6 million daily transactions with peak traffic of 600 TPS.
- Built 60+ backend services for payment, settlement, and reconciliation flows using Java, Spring Boot, Kafka, and Dapr.
- Engineered a real-time alerting system for SMS/Email notifications, achieving sub-20ms delivery time in production.
- Deployed and scaled services on Kubernetes (Google Cloud Platform (GCP)) using Helm and KEDA, monitoring performance with Prometheus and Grafana to maintain **99.9%** uptime.
- Increased test coverage to 80% by utilizing Artificial Intelligence-assisted unit testing and fixing static analysis issues for improved stability
- **Tech Stack:** Java, Spring Boot, Kafka, Dapr, Docker, Kubernetes, Helm, KEDA, Prometheus, Grafana, CI/CD, Google Cloud Platform (GCP)

KEY ACHIEVEMENTS

Top of the Game 2024

FYNDNA Techcorp Pvt. Ltd.Recognized for architecting the high-availability IMPS Payment Switch, achieving 99.9% uptime.

EDUCATION

MIT ACADEMY OF ENGINEERING Pune, Maharashtra

BTech : Electronics and Telecommunication Cum. GPA: 8.4/10 *May 2018 – May 2022*