Divyansh Rana

divyansh.rana12@gmail.com | LinkedIn | +91 8968121890 | Bengaluru, India

EXPERIENCE

Backend Engineer with 6+ years of experience in **scalable distributed systems**, **cloud-native architectures**, and **high-performance** microservices. Skilled in **Java, Spring Boot, Quarkus, Kafka, AWS, Kubernetes**, with expertise in **OOP**, large-scale system distribution, modernizing legacy systems, optimizing performance, and driving developer productivity. Passionate about **system design, resilient APIs, and cloud infrastructure.**

DELTA AIRLINES | SOFTWARE ENGINEER II
Dec 2022 - Present | Bangalore, India

- Architected and developed a **cloud-native vacation booking platform** in Java, Quarkus, and Redis, reducing booking latency by **30% and supporting 10K+ concurrent users**.
- Implemented **SAGA pattern** for distributed transactions across microservices, improving consistency and fault tolerance.
- Built a **vacation builder** with **reactive programming**, serving APIs to thousands of travel agents using scalable design patterns.
- Automated CI/CD pipelines in GitLab with **linting, test coverage, Veracode scanning, and secure deployments**.
- Modernized 10+ **legacy monolith applications** into microservices with SSO and modular UI flows (NX monorepo).
- Enhanced reliability with **AWS CloudWatch monitoring and automated alerts**.

SCIENAPTIC AI | SOFTWARE ENGINEER II
Oct 2020 - Dec 2022 | Bangalore, India

- Developed an **automated credit decisioning platform** with end-to-end underwriting workflows.
- Built a **real-time forecasting and what-if analysis tool** using Angular, Spring Boot, Kafka, and JUnit, following a Test-Driven Development (TDD) approach.
- Designed **webhook-based** (Java + NoSql) for mobile-first apps.
- Took initiative to introduce the team to PR best practices, including code quality, design patterns, and documentation.
- Led execution of a **pricing guidance system** that recommended discounts, validated contract terms, and automated sales strategy reports; also created technical documentation from scratch.
- Delivered interactive dashboards (AureliaJS + Plotly) with **client-side caching for real-time insights.**

INFOSYS | SYSTEMS ENGINEER
Aug 2019 - Oct 2020 | Pune, India

- Created an **internal job portal** with Angular + Spring Framework.
- Delivered production-ready code in Agile/XP practices.
- Contributed to **infrastructure compliance** and internal platform modernization.

SKILLS

BACKEND
– Java, Spring Boot, Quarkus, Kafka, Hibernate/JPA

CLOUD & INFRA
– AWS (Lambda, S3, Route53), Docker, Kubernetes, Redis

FRONTEND
– Angular, React, Next.js, TypeScript

DEVOPS/TOOLS
– GitLab CI/CD, AWS CloudWatch, Veracode, MySQL, MongoDB

EDUCATION

B.E. IN COMPUTER SCIENCE ENGINEERING | 2015 - 2019 | INDIA
CGPA: 8.2 / 10

PROJECTS

GENAI REDDIT UPLOADER
– Automated bot using **Stable Diffusion XL** for image generation + dynamic text; scheduled posting via GitHub Actions.

PHOTOGRAM
(SOCIAL MEDIA APP)
– Built & deployed Spring Boot + React app with JWT auth & profile management; deployed on Heroku.

GRAPHLINK
(SCALABLE BACKEND INFRA)
– Architected event-driven microservices platform with service discovery, API gateway, Neo4J, Kafka, Docker, Kubernetes; automated via GitHub Actions.