Divyansh Rana

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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.

Software Engineer II – Delta Airlines   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.

Software Engineer II – Scienaptic AI   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 TDD.
- Designed webhook-based (Java + NoSQL) for mobile-first apps.
- Introduced PR best practices: code quality, design patterns, and documentation.
- Led execution of a pricing guidance system automating sales strategy reports and documentation.
- Delivered interactive dashboards (AureliaJS + Plotly) with client-side caching for real-time insights.

Systems Engineer – Infosys   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 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.