

Divyansh Rana

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EXPERIENCE

Backend Heavy Full Stack Engineer, 6+ years experience building scalable, high-performance cloud systems and microservices. Passionate about optimizing products, architecting systems, and improving developer workflows.

DELTA AIRLINES | SOFTWARE ENGINEER II

Dec 2022 - Present | Bangalore, India

- Architected and developed a cloud-native vacation booking platform using **Java, Quarkus, and Redis**, improving booking response times by 30-40 seconds
- Implemented SAGA pattern to orchestrate distributed transactions across **microservices**, ensuring consistency and fault tolerance.
- Developing a **Java** based reactive Vacation Builder in Quarkus, leveraging **Redis** for fast data delivery to **thousands of real-time agents**, exposed via APIs and consumed in Angular.
- Automated **CI/CD** pipelines in GitLab with test coverage, linting, veracode scanning, and secure deployments.
- Integrated **AWS CloudWatch** monitoring and alert to improve service reliability.
- Modernized 10+ legacy apps by implementing microservice architectures with SSO and modular UI flows in **NX** monorepo setup.
- Delivered multiple PCI and non-PCI compliant apps in Agile sprints.
- Built reusable **Angular** component libraries with test coverage using jasmine/karma, making **npm-hoisted** for easier usage.

SCIENAPTIC AI | SOFTWARE ENGINEER II

Oct 2020 - Dec 2022 | Bangalore, India

- Developed a **credit decisioning** tool with end to end automated underwriting workflows.
- Built **forecasting** and what-if analysis application for a banking client leveraging AI models with Angular, Spring Boot, Kafka and JUnit.
- Designed **webhook**-based APIs using Spring Boot and MongoDB with mobile-first approach.
- Built a **pricing guidance** system to compute optimal discounts by validating list prices, contract terms, and recommended net prices, with report generation capabilities for sales decisions and strategy
- Built interactive dashboards using client's data, formatting it and displaying it in their dashboard using AureliaJS and Plotly for real-time insights and client side **caching**.
- **Improved team workflows**: Code reviews, Configuration control, Secure deployments.

INFOSYS | SYSTEMS ENGINEER

Aug 2019 - Oct 2020 | Pune, India

- Created an internal job portal with Angular and Spring Framework.
- Delivered production-ready code in Agile and XP practices.
- Contributed to infrastructure compliance, secure and maintainable systems.
- Worked on a full revamp of an internal app used by employees.

EDUCATION

B.E. IN COMPUTER SCIENCE

ENGINEERING | 2015 - 2019 | INDIA

CGPA: 8.2 / 10

SKILLS

LANGUAGES

Java • Spring Boot • SpringMVC
RESTful APIs • Hibernate/JPA
JavaScript • TypeScript

FRAMEWORKS/TOOLS

Spring Boot • Quarkus • Redis
Angular • React • Next.js

OTHER TECH

Docker • GitLab • MySQL • MongoDB
Kubernetes • Kafka • AWS Lambda,
S3, Route53

PROJECTS

GENAI REDDIT UPLOADER

IMAGE GENERATION AND POSTING

- Developed a bot which generates images using Stable Diffusion XL model and dynamic text content and posts scheduled images on Reddit pipelined via GitHub Actions.

GRAPHLINK

SCALABLE BACKEND INFRA

- Architected a scalable event driven microservices platform with service discovery, API gateway for user auth, connection management using Neo4J, session management using Springboot, Kafka, Docker, Kubernetes automated via Github Actions.

PHOTOGRAM

PUBLIC SOCIAL MEDIA APP

- Engineered and deployed a Spring Boot + React app with JWT-based authentication/ authorization, profile management with signup, signin, reset and secure REST APIs and hoisted on Heroku for public access.