

Divyansh Rana

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EXPERIENCE

6+ years of backend heavy full stack development

DELTA AIRLINES | SOFTWARE ENGINEER II

Dec 2022 - Present | Bangalore, India

- Designed and implemented a comprehensive cloud solution enabling end-to-end shopping and booking of hotels and flights with the help of **reactive programming** to enhance system interactions and responsiveness.
- 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 alerts to improve service reliability.
- Modernized 10+ legacy apps by implementing microservices 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 test coverage.
- Designed **webhook**-based APIs using Spring Boot and MongoDB with mobile-first approach.
- Led client requirement and developed a complex accounting app with dynamic **formula engine** with PDF generation and email delivery.
- 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 and secure, 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.