

Ravik Ganguly

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LINKS

LinkedIn:// [ravik-ganguly](#)
Github:// [g-ravity](#)

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithm
Database Management System
Operating System
System Design
Python
C++

UDEMY

Advanced React and Redux
Node.js: Advanced Concepts
PostgreSQL: Complete Developer's Guide
Grokking System Design Interview
Docker and Kubernetes

SKILLS

PROGRAMMING

Javascript • Python • Typescript •
Node.js • MongoDB • MySQL
• Elasticsearch • Bash • Docker
• AWS • Next.js

EXPERIENCE

RAILOFY | SOFTWARE ENGINEER

Feb 2022 - Present

- Developed and integrated scraper services for train data and live train status
- Development and ownership of pricing service which processes train availability data to display travel insurance offers to users
- Helped in resolving SEO issues, which resulted in our app being listed on 4th position for food delivery in train
- Planning and implementation of notification framework which includes whatsapp, email and push notifications via firebase
- Involved in the development of an entire train DB via scrape and paid api flows, which included train, class, quota and pnr data for machine learning models
- Revamped an existing scraper service to scrape thousands of PNR data every day, with fault tolerance, type safety and captcha bypass
- Developed WhatsApp PNR bot for pnr status, ordering food and other uses, which drives major traffic on our website
- Involved in integration of Railofy Travel Guarantee insurance on IRCTC
- Worked on infra development and platform monitoring using tools like Kafka, bullqueue, ELK stack, Grafana, ECS, S3, Docker and others

YELLOW CLASS | FULLSTACK SDE II

Aug 2020 - Jan 2022

- Responsible for the complete development and maintenance of the admin panel of the platform.
- Improved response time of slow MongoDB queries by 50-80%
- Implemented custom file upload and processing system using Dropbox API, S3 and AWS MediaConvert.
- Implemented Instagram reels like feature using Elasticsearch & RabbitMQ
- Designed a system to generate pdf certificates in Node and upload them to S3 from JSON data collected from MongoDB

AFRICAN PRICE | FREELANCE DEVELOPER

May 2020 - Jul 2020

- Designed the complete backend architecture of a Q&A platform. Developed the frontend using React, Next.js
- Implemented points & reward system based on user activities.
- Implemented custom rich text library on top of DraftJs based on requirements for user post creation.

KREDENT INFOEDGE | REACT NATIVE DEVELOPER INTERN

Jan 2020 - Apr 2020

- Developed a social media app for traders & investors using React Native, Node.js, GraphQL, TypeORM and PostgreSQL.
- Was actively involved in designing the schema and the backend system architecture of the social platform that included features like feed, comment, block & report.

PROJECTS

OPTIONS TRADING AUTOMATION

- Integrated Lorentzian Classification algo for automating entry
- Integrated mail listener in trading for automated webhook alerts
- Developed and implemented exit strategy based on a number of factors like price velocity, candlestick patterns and others
- Integrated Grafana and Loki for logging and observability