Ravik Ganguly

theravikganguly@gmail.com | 86971-55714

LINKS

LinkedIn:// ravik-ganguly
Github:// g-ravity

SKILLS

LANGUAGES
Javascript • Python • Typescript

FRONT-END
HTML • CSS • React • Next.js

BACK-END
Node.js • GraphQL • ExpressJS

DATABASES
MySQL • PostgreSQL • MongoDB
Redis • ElasticSearch

MOBILE
React Native

CLOUD
AWS • Google Cloud Platform

DEVOPS
Git • Docker • Kubernetes
Jenkins • Grafana • ELK
Bash • Sentry

TOOLS
Kafka • RabbitMQ • Jest

EXPERIENCE

DHAN YOJANA | FREELANCE ENGINEERING PROJECT
July 2024 - Present

- Architected a full-scale algorithmic trading system in TypeScript/Node.js for parallel execution of multiple strategies across multiple trading accounts
- Built Shield, a robust Typescript package, by porting NorenApi-js library with enhanced type safety, error handling, API retries, and logging capabilities
- Engineered Hermes, a high-performance event service processing 900-1000 events/minute with guaranteed order execution in Node.js
- Developed Plotchart, a comprehensive backtesting platform for trading strategies with configurable parameters and interactive visualizations
- Implemented a Telegram bot for complete algo management including real-time monitoring, risk management, and system configuration
- Implemented a CI/CD pipeline on GCP for automated deployment, incorporating GitHub integration and Compute Engine resources
- Built modular microservices for strategy signals, risk management, trade execution, and order management

RAILOFY | SOFTWARE ENGINEER
Feb 2022 - June 2024 • railofy.com

- 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 database for train data 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, IP rotation and google 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 • yellowclass.com

- 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 custom rich text library on top of DraftJs based on requirements for user post creation. Implemented points & rewards system.