

Shuvrasish Roy

 shuvrasish |  shuvrasish |  shuvrasish24@gmail.com |  +919027331513

Education

Jadavpur University

Bachelor of Engineering in Information Technology, CGPA – 8.3

Jun 2018 – Jun 2022

Kolkata, West Bengal

A.V.M.D Institute

PCM, Percentage – 85.6

Apr 2018

Agra, Uttar Pradesh

Work Experience

Anchanto

Full-Stack Developer

Jan 2022 – Present

Pune, Maharashtra

- Designed and developed Role-Based Access Control (RBAC) system in the Parcel Tracking application.
- Engineered and scaled a branded email notification service using Amazon SES, SNS, SQS, and Celery, achieving a throughput of 5 million emails per month and ensuring timely updates to recipients on parcel milestones.
- Pioneered an innovative multi-tenant application module, enabling seamless tenant switching without the need for redeployment, improving operational efficiency.
- Automated 12+ critical operational tasks using Celery including monthly billing processes, API usage tracking, password expiration notifications and health check services for proactive monitoring of daily production resulting in significant time savings, improved accuracy and faster issue resolution.
- Spearheaded data processing initiatives, optimizing incoming carrier data management and streamlining workflows through the development of a utility Docker app for data reprocessing.
- Implemented Cypress testing, cutting developer testing time and bolstering code quality.
- Architected cloud infrastructures for various multi-tenant environments.
- Designed and documented 15+ APIs and a suite of reusable UI components, achieving over 90% test coverage.

Jano App

Software Developer Intern

Jun 2021 - Aug 2021

India

- Orchestrated development of back-end infrastructure using Node.js and Firebase, emphasizing latency optimization, cost efficiency, and scalability to enhance user experience.
- Automated data extraction from Wikipedia for various card types, including trending topics and quotes, utilizing Google Trends API and quotable.io, enhancing content relevance and diversity.
- Integrated Firebase Translate Extension for seamless content translation, fostering global reach.

Projects

Shorty | *Django, Docker, Zookeeper, PostgreSQL, Redis*

[Link to Source Code](#)

- Developed a URL shortener application using Django for API handling and client-side logic.
- Utilized Zookeeper for orchestrating coordination among distributed Django application servers.
- Employed Docker to containerize the entire system, ensuring seamless deployment and scalability, with PostgreSQL for storing URL data.

Socially | *ReactJS, Node.js, Firebase*

[Link to Project](#)

- Engineered a robust multi-user authentication system, enabling secure access, enhancing user engagement and platform interaction.
- Designed and implemented interactive features such as comments and likes.

Skills

Languages

Python, C++, JavaScript, Typescript, SQL(Postgres), HTML, CSS

Frameworks & Libraries

Django, ReactJS, Next.js, Bootstrap, Cypress, SCSS, Celery

Tools & Technologies

Postman, VS Code, PyCharm, Git, Docker, DBeaver, Redux, Redis, AWS (SQS, SES, SNS, EC2, S3, CloudWatch, RDS)

Other Skills

DBMS, Problem-Solving (DSA) and Algorithms, GitHub