

Anurag Upadhyay

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Software Engineer

Object-Oriented Analysis ■ Design and Development ■ RDBMS ■ Data Structures and Algorithms

Technical Tools

Golang, Ruby on Rails, Python, Java, MySQL, MongoDB, Flutter, Echo, Javascript, Typescript, React, Spring Boot, Git, Docker, Nginx, AWS, Sentry, Prometheus, Grafana, ELK, Elasticsearch, Data Structures, Algorithms

Professional Experience

Software Engineer, September 2021 to Present, **Kuvera (Cred)**, Bengaluru, KA

Architected and deployed scalable backend solutions for financial management applications. Developed and owned multiple microservices.

Projects: Mutual Fund, NPS, US Stocks, Indian Stocks, EPF, Goals, Rewards, Notifications

Tools: Golang, Ruby on Rails, NodeJs, MySQL, Redis, Sidekiq, MongoDB, and AWS.

Achievement Highlights:

- Led the entire **lifecycle** of application development, from initial design and coding to deployment and maintenance. I have implemented **best practices** for coding, versioning, testing, and deployment.
- **Designed, implemented, and maintained** multiple backend services and frameworks, such as notifications, rewards, onboarding, order placement, cryptography, etc., optimising system **performance** and **security**.
- Spearheaded the development of NPS, **leading a team of two** and **maintaining** products like EPF and US Stocks, demonstrating strong **leadership** and project **management** skills.
- Successfully **optimised** multiple legacy services, achieving significant performance improvements, including a **two-times** improvement in report generation and a time reduction from **16 minutes to 30 seconds** for the rewards job.
- **Upgraded** the Ruby and Rails versions, ensuring security, and wrote a lot of tests, increasing the **maintainability** of the application.

Software Engineer, May 2021 to September 2021, **Axelor International**, Bengaluru, KA

Contributed to a GST application using Axelor's open-source ERP platform.

Projects: GST, Billing

Tools: Golang, Java, MySQL, and Javascript

Achievement Highlights:

- Designed and developed multiple GST invoices using the form builder in the application.
- Worked on the application's backend and UI, including GST logic for various products, to **improve** the feature set and UX.
- Collaborated with several new hires to help them set up the entire project in their systems, lowering the average setup time by **two days**.

Blockchain Developer Intern, May 2020 to September 20, **Vezures**, Mumbai (Remote)

Created India's first "Rupee"-based stablecoin, ARTH, with its management DAO called MAHA Dao

Projects: ARTH token, MAHA Dao

Tools: Golang, Javascript, Haskell, Solidity, Rust, Polygon, Ethereum, and Blockchain.

Achievement Highlights:

- Programmed and contributed to **open-source** CLI tools written in **Haskell**.
- Built India's first rupee-based token on top of MakerDao.
- Devised a deployment process on multiple chains in case of contract update

Full Stack Developer Intern, May 2020 to August 2020, CloudDFN, Pune (Remote)

Worked on building a system to remotely manage a PC, MAC or Linux device for corporations to manage employee and IT teams

Projects: Device Monitor

Tools: Python, Javascript, React, Ant Design and Bash

Achievement Highlights:

- Revamped the react UI
- Optimised the application with a caching layer, reducing API **latency** to 35 ms.
- Devised a deployment process on multiple chains in case of contract update

Backend Development Intern, May 2020 to July 2020, Upcaliber, Bengaluru (Remote)

Built an education platform that could be used by businesses to publish their courses and train their staff for a particular topic.

Projects: Education

Tools: Java, Spring boot, Hibernate, MySQL, and Apache

Achievement Highlights:

- Developed multiple APIs for multiple microservices and integrated **Neo4j** with our application.
- Devised the entire Authentication system for the application.

Research Intern, March 2019 to June 2019, LectureNotes, Bhubaneswar

Developed an education system for college students where teachers and students can share and distribute notes with each other.

Projects: Search

Tools: Python, Javascript, ElasticSearch, and Digitalocean

Achievement Highlights:

- Built a search engine for the text document to search notes, topics, etc.
- Increased the search efficiency by 80%.

Education

Silicon Institute of Engineering, Bhubaneswar, OD

Bachelor of Technology (B.Tech), Computer Science and Engineering,
2017 - 2021