

SUBROTO KUMAR

subrotokumar.dev

✉ subrotokumar@outlook.in

🌐 [linkedin.com/in/kumarsubroto](https://www.linkedin.com/in/kumarsubroto)

🐙 github.com/subrotokumar

Technical Skills

Languages: Java — JavaScript — TypeScript — Python — Dart — Go — SQL — Solidity
Beckend: Spring Boot — Express — Nest — FastApi — MongoDB — Postgres — Kafka — Redis
Frontend: Flutter — React — Angular — HTML — CSS — JavaScript — Android Studio
Others: Nginx — Amazon Web Services(AWS) — Docker — Kubernetes — CI/CD — Linux — Git

Experience

Capgemini

March 2024 – Present

Software Engineer / Analyst

Mumbai

- Developed a comprehensive platform as a service (**PaaS**) tool using **Spring Boot** and Node within a **microservices** architecture. Leveraged **AWS** services (**S3**, **ECS**) for scalable and reliable deployments. The platform supports front-end applications built with React, Vanilla JS and Angular, with its own front-end UI developed in Angular.

LTI Mindtree

Aug 2023 – October 2023

Graduate Engineer Trainee Intern

Remote

- Completed an intensive Graduate Engineer Trainee internship at LTI Mindtree, gaining industry-grade expertise in **Java**, **AWS** services (S3, RDS, EC2, IAM, Billing, etc), **Terraform**, Database Management System (**DBMS**), and **Linux**.
- Successfully concluded Ignite Training on **Cloud technology** track with an **impressive score of 86%**, showcasing a strong foundation in cutting-edge technologies and practical skills acquired during the training program.

Ridobiko

November 2022 – April 2023

Flutter Developer Intern

Gurugram

- Took the ownership of integrating **DigiLocker** platform to customer application and leveraged technologies such Flutter, **OAuth2.0**, REST API, resulting in successful implementation of **e-KYC system** for Document verification of users.
- Worked on the developing of key features for personalized coupon section, implementing GST logic in payment screen and integrated **payment gateway** for their in-app wallet feature.
- Reduced code bloat and refactored the codebase, resulting in a **20%** increase in app performance, a **15%** reduced application size, improvement in code readability, and maintainability.

Projects

Docsync: Realtime Document Editor | Node, Socket.io, Express, MongoDB, AWS

Github: Frontend, Backend

- Developed a real-time collaborative document editor app, featuring **clean architecture**, user authentication, and access control, document CRUD operations, and **Socket.IO** for seamless cross-platform collaboration.
- Demonstrated commitment to Industry best practices by incorporating **Docker** for containerization, **Prometheus** for monitoring, and **Grafana** for visualization, **Swagger** for API Docs and **AWS S3**, **EC2** for Storage and Deployment.
- Achieved a responsive UI and implemented clean architecture on the client-side using Riverpod, Retrofit, Dio, Quill, Freezed, and GoRouter for Docsync.

Kurumi: Anilist Client | Dart, Flutter, GraphQL, Riverpod, Ferry

Github, Play Store

- Developed an anime and manga tracker mobile app with **Flutter** that uses **Ferry client** under the hood to utilized a **GraphQL** API and advanced **caching** and data synchronization techniques for up-to-date data delivery.
- Introduced a specialized section for displaying **in-depth consumption metrics** for a more enlightening user experience. Additionally, integrated an **advanced filter-enabled** search screen to facilitate effortless content discovery.
- Elevated user satisfaction for **3000+** users with a stellar **4.8 / 5 average rating** in Google Play Store.

Comet: Cryptocurrency wallet | Flutter, Solidity, Web3Dart, Hardhat, ERC20, ERC721

Github, Play Store

- Crafted a secure Flutter-based cryptocurrency wallet for **Ethereum** compatible network chains using **web3dart**, ensuring encrypted wallets and smooth **ERC20/NFT** interactions for enhanced functionality.
- Utilized **Hardhat**, **OpenZeppelin**, Alchemy for building features such as **token transfer**, **scan-to-pay** functionality, **ERC20 token** management, and **multi-chain** support for enhancing the versatility and user experience of the app.

Education

Haldia Institute of Technology

Aug. 2019 – July 2023

B.Tech in Electronic and Communication Engineering — Score: 8.91 CGPA

Haldia, West Bengal

Achievements

- Designed and Deployed **4 mobile apps**, which were uploaded to the Play Store and made available for public use.
- Actively participate at **ETHIndia 2022 and 2023**, **World's Biggest Ethereum Hackathon** at Bengaluru.