

Subroto Kumar

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WORK EXPERIENCE

RIDOBICO | FLUTTER DEVELOPER INTERN

Gurugram | November 2022 – April 2023

- 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.
- Worked on the developing of key features for personalised **coupon section** and implementing **GST logic**, resulting in compliance of the application with GST regulations and increased Customer engagement and revenue growth.
- Reduced code bloat and refactored the codebase, resulting in a **20%** increase in speed, a **15%** reduced application size, improvement in code readability, and maintainability.

PROJECTS

DOCSYNC: REALTIME DOCUMENT EDITOR

NODE, SOCKET.IO, EXPRESS, MONGODB

- 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 best practices by incorporating **Docker** for **containerization**, **Prometheus** for **monitoring**, and **Grafana** for **visualization**, contributing to a resilient and maintainable backend system.
- Implemented **clean architecture** on the client-side using **Riverpod**, **Retrofit**, **Dio**, **Quill**, **Freezed**, and **GoRouter** for Docsync. Achieved a responsive UI across Android, iOS, Web, and Desktop platforms.

KURUMI: UNOFFICIAL ANILIST CLIENT

FLUTTER, FERRY, GRAPHQL, RIVERPOD

- Developed an anime and manga tracker mobile app with **Flutter** that uses **Ferry GraphQL client** under the hood to utilized a **GraphQL API** and **advanced caching** and data synchronization techniques for up-to-date data.
- Employed a scalable and modular architecture for easy integration of new features and data sources Implemented **Riverpod** for efficient **state management** in a mobile environment.
- Delivered a seamless experience with stylish UI and intuitive navigation and search functionality for show titles.

COMET: CRYPTOCURRECNY WALLET

FLUTTER, WEB3DART, HARDHAT, ETHERSCAN, ALCHEMY

- Developed a highly secure **cryptocurrency wallet** utilizing the **web3dart** library, featuring robust functionalities including wallet encryption and seamless **ERC20/NFT** interactions.
- Engineered for exceptional **99%** uptime, the wallet facilitates effortless transactions and meticulous transaction history monitoring with exhaustive summaries.

EDUCATION

BTech. Electronics and Communication Engineering

Haldia, WB | August 2019 - July 2023

HALDIA INSTITUTE OF TECHNOLOGY

Grades: 8.91 DGPA

SKILLS

Languages:	Java, JavaScript, TypeScript, Go, Solidity, SQL
Backend	Node.js, Express, MongoDB, Postgres, Go-Fiber, SQLC, GraphQL
Mobile Development:	Dart, Flutter, Riverpod, Provider, Firebase
Blockchain:	Solidity, Hardhat, Ethersjs, Wagmi
Other:	Git / GitHub, Linux, Bash, AWS S3, EC2, RDS, Android Studio

ACHIEVEMENTS

- Designed and Deployed **4 mobile apps**, which were uploaded to the **Play Store** and made available for public use.
- Actively participate at **ETHIndia Hackathon 2022**, **World's Biggest Ethereum Hackathon** at Bengaluru.
- Created to more than **30+ project** on **GitHub** utilizing a variety of technology including **Blockchain**, **Flutter**, **React / NextJS**, **Tailwind**, resulting in a high level of proficiency in diverse technologies.