SUBROTO KUMAR

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Technical Skills

Languages: Java — JavaScript — TypeScript — Dart — Go — SQL — Solidity
Mobile Development: Flutter — Riverpod — Bloc — Provider — Firebase — Android Studio
Web Development: Node — Express — Mongo DB — Postgres — Gin — Nest — REST — HTML — CSS — React
Technologies: AWS (S3 , EC2 , RDS) — Docker — Linux — Git — GitHub

Experience

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, AIM, Biling, 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 personalised coupon section, implementing GST logic in payment screen and integrate **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.
- 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: 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.
- Implemented feature based modular and scalable architecture with **Riverpod** ensuring easy integration of new features.
- Elevated user satisfaction for **3000+** users with a stellar **4.8 / 5 average rating** in Google Play Store. Engineered a visually captivating UI and seamless navigation, redefining the user experience.

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 application.
- Achieved 24x7 uptime, enabling seamless transactions and providing comprehensive transaction history summaries.

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 participdate at ETHIndia Hackathon 2022 and 2023, World's Biggest Ethereum Hackathon at Bengaluru.
- Created to more than 30+ project on GitHub demonstrating high level of proficiency in diverse tools and technologies.