

Maharshi Mukherjee

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Full-Stack Engineer with 5+ years of experience with full-stack web development and distributed systems. Experienced in everything from low-level protocol design to backend and frontend development of modern 12-factor applications. Problem-solver and generalist interested in challenging problems and learning new technologies.

Skills

Languages: Go, TypeScript/JavaScript, Python, Solidity, C++, Kotlin

Technologies: Vue, React, Nuxt, PostgreSQL, OpenSearch, MongoDB, Material Design

Experience

Software Engineer, Avail Project (acquired from Arcana Network) - Dubai, UAE December 2021 - January 2026

- Led the development of the backend of a consumer-facing cryptocurrency transfer app that supported over 500,000 users and over 2 million transactions within the first 6 months using Go, MySQL and Redis.
- Developed 4+ scalable, distributed HTTP services from scratch, collaborating with over 7 partners to integrate their third-party services and APIs into the product.
- Built and maintained a TypeScript library containing common data structures, logic and serialization/RPC (PB+GRPC) in use in most of front-end applications of the product.
- Built and deployed containerized services to AWS, GCP and bare-metal using Docker, and maintained them in production.

Software Engineer, Bhumio, Inc. - Remote

September 2021 - December 2021

- Led an API redesign and implemented key new features during a product expansion.
- Profiled and optimized the Time-To-Interactivity of major pages by parallelizing HTTP requests and lazy loading of components.

Projects

Piped-Material

github.com/mmjee/Piped-Material

- An alternative YouTube client, developed with Vue and Vuetify with improved design, performance and efficiency.
- Has client-side encrypted end-to-end data synchronization through a protocol I devised and implemented.
- Fully localized using vue-i18n including fonts.
- Had over 1 million views/month during its peak.

RSS2Email

github.com/mmjee/rss2email-backend

- Built a RSS feed client that sends e-mails for new items.
- Backend uses Go and MongoDB while the frontend uses JavaScript, Vue and Vuetify.