Jihad Hasan Joy

Staff Software Engineer

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SUMMARY

Staff Software Engineer with nearly 9 years building secure, regulated mobile and web products — retail banking, pension platforms, national payment networks, and a cryptocurrency exchange — for clients in Switzerland, Trinidad & Tobago, the UAE, and Paraguay. Specialized in React Native and Angular, with hands-on backend work in Node.js and Express. I own delivery end to end: architecture and state management, API contracts, biometric security and identity verification, performance, and App Store release — and I lead the engineers who ship it. Open to work across any technology stack or domain — I pick up new languages and frameworks fast.

CORE SKILLS

Mobile	React Native, Flutter / Dart, biometric authentication (Face ID / Fingerprint), secure storage, SSL pinning, offline support, push notifications, localization, App Store & Play Store release management
Frontend	React, Angular, Next.js, TypeScript, JavaScript, Redux Toolkit & RTK Query, NgRx, RxJS, Tailwind CSS, SASS, Bootstrap, design-system and Figma-to-code implementation
Backend	Node.js, Express, NestJS, REST, GraphQL, MongoDB, SQL Server, ASP.NET Core, third-party API integration
Platform	Docker, Azure DevOps, GitHub Actions, Firebase (push & analytics), Matomo, multi-environment deployment (dev / stage / prod)
Practices	Architecture ownership, technical direction, unit testing with Jest, code review, mentoring, performance and bundle optimization, Agile / Scrum delivery

EXPERIENCE

Staff Software Engineer · SELISE Group — Dhaka, Bangladesh · Feb 2023 — Present

- Own end-to-end architecture for React Native, React, and Angular products serving banking, pension, and crypto clients in production.
- Lead cross-functional delivery with design, backend, and QA — from discovery through App Store and Play Store release.
- Define frontend standards for state management, testing, security, and releases, applied across project teams.
- Design API contracts and build Node.js/Express service integrations alongside REST and GraphQL backends.
- Implement regulated-product requirements: biometric login, remote identity verification, and secure storage.
- Mentor engineers through code review and pairing, enforcing clean architecture, security, and scalability.
- Cut bundle sizes and load times, and keep behavior consistent across iOS, Android, and web from shared codebases.
- Ship every product through Docker-based CI pipelines across dev, stage, and production environments.

Software Engineer · Brain Station 23 — Dhaka, Bangladesh · Sep 2020 — Jan 2023

- Built secure mobile banking apps with Face ID and fingerprint authentication, secure storage, and SSL pinning.
- Led a 5+ engineer frontend team, setting code quality standards and reviewing delivery.
- Delivered Angular and React SPAs with reusable component libraries and admin dashboards.
- Shipped and monitored releases through Docker-based Azure DevOps pipelines across dev, stage, and production environments.
- Profiled and improved frontend performance and stability on long-lived enterprise applications.

Full-Stack Developer · Samurai System — Dhaka, Bangladesh · Nov 2017 — Aug 2020

- Built dynamic drag-and-drop dashboard interfaces in Angular for a digital signage platform.
- Developed REST APIs in ASP.NET Core to support frontend feature delivery.
- Implemented pixel-perfect responsive layouts with Bootstrap and Foundation.
- Set up dev, stage, and production environments with the accompanying Docker deployment pipelines.
- Handled bug fixing and usability testing to keep production releases stable.

SELECTED PROJECTS

DBforKids | Children's digital banking — SGKB, GKB · SGKB iOS · Android · GKB iOS · Android — Frontend lead · SELISE Group

Pocket-money banking teaching children aged 6–13 to save and set goals, with a parental cockpit for oversight — one codebase serving both banks.

- Led the frontend and mobile teams across the shared product, working with the Spring Boot backend team.
- Architected per-bank theming and configuration so both institutions (SGKB, GKB) ship from a single codebase.
- Built savings goals, quizzes, and offers alongside the parental monitoring cockpit.

Stack — React, React Native, Redux Toolkit, RxJS, NgRx, Jest, ECharts, Firebase, Matomo

GKB Gioia 3a | Pension app — Graubündner Kantonalbank · iOS · Android — Frontend lead · SELISE Group

Fully digital 3a pension accounts: remote onboarding through to ongoing portfolio monitoring and management, inside regulatory constraints.

- Led the frontend team and built the React Native client and its account-opening flow on the Spring Boot APIs.
- Integrated Onfido remote identity verification and Matomo funnel analytics.
- Tuned onboarding drop-off and app performance on lower-end devices.

Stack — React Native, Redux, Jest, Firebase, Onfido, Matomo, ECharts, Tailwind CSS

X4T | Cryptocurrency exchange — Paraguay — Technical lead · SELISE Group

Paraguay's leading exchange: fully on-chain, zero-fee trading across 8,000+ assets and seven networks (Bitcoin, Ethereum, Solana, BSC, Arbitrum, Polygon, Tron), with cross-chain bridging and Guaraní/USD fiat rails.

- Led the project end to end — web, mobile, and Node.js backend architecture.
- Built multi-chain trading, bridging, and wallet interfaces against live market data.
- Integrated custody, compliance screening, and biometric app login for regulated operation.

Stack — React, React Native, Node.js, Express, TypeScript, Redux Toolkit, Web3, ECharts, Tailwind CSS

Convenience Pay | Fuel payment network, Unipet — Trinidad & Tobago — Frontend lead · Brain Station 23

Nationwide smart-card payment platform for a petroleum retailer, tracking fleet and merchant purchases across selling points countrywide.

- Led frontend architecture for the Angular platform and its admin tooling, alongside the Spring Boot backend team.
- Built the reporting suite serving fleet, merchant, and internal user types.
- Optimized content delivery and runtime performance for large transaction datasets.

Stack — Angular, RxJS, NgRx, Google Maps API, ECharts, Bootstrap, SASS

Finsy | Pension & personal finance platform — Switzerland · iOS · Android — Frontend lead · SELISE Group

Consolidates income, expenses, insurance, and pension planning into one platform where users forecast and simulate their financial future.

- Led the frontend team and designed the shared web and mobile architecture.
- Built the Angular web client and React Native app against one .NET Core API surface, with its backend team.
- Delivered in-app video calls and chat connecting users to consulting experts.

Stack — Angular, React Native, Redux Toolkit, RxJS, NgRx, Google Maps API, ECharts, Tailwind CSS

ShopperOn | Live shopping marketplace — UAE · iOS · Android — Frontend lead · SELISE Group

Real-time video commerce marketplace where live hosts sell on stream, with in-stream purchasing and cashback rewards.

- Led the frontend team and designed the web and mobile architecture over the .NET Core APIs.
- Built live streaming and in-stream purchase flows on Agora.
- Shipped the buyer app to the App Store and Play Store.

Stack — React Native, Redux, Agora, Firebase, ECharts, Tailwind CSS

Samurai Screen | Digital signage network — Full-stack engineer · Samurai System

Wireless digital signage delivering advertising content to screens at scale, in real time and regardless of location.

- Built the Angular application for content scheduling and delivery.
- Implemented drag-and-drop campaign composition against a live screen network.
- Built the ASP.NET Core REST APIs backing content scheduling and screen management.

Stack — Angular, Angular Material, Material CDK, RxJS, NgRx, ECharts, Bootstrap, SASS, ASP.NET Core, SQL Server

EDUCATION

BSc in Computer Science and Engineering · University of Liberal Arts Bangladesh — 2013 — 2017 · CGPA 3.21 / 4.00

Languages · English — professional working proficiency · Bangla — native