Anik Hasan - Senior Software Engineer

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Professional Summary

Senior Software Engineer with experience building fintech platforms end-to-end — from core trading systems and payment integrations to production infrastructure and third-party partnerships. Joined KSecurity at the founding stage and grew the platform to serve 200,000+ users.

Work Experience

Software Development Lead | **Part Time** | **K-Securities & Consultants Ltd**
Motijheel C/A, Dhaka, Bangladesh |2024 - Present

- Architected and developed biniyog.com.bd, stock trading platform serving 200,000+ online account holders with real-time DSE (Dhaka Stock Exchange) integration — encompassing end-to-end order flow across the web platform, back-office systems, and DSE, secured with IP whitelisting, SSL encryption, and short-lived token-based authentication, monitoring, logging, and high-durability transaction processing.
- Automated the manual order-forwarding workflow between Biniyog and DSE by building a Puppeteer-based scraper that listens for incoming orders and places them on DSE's system in real time — eliminating manual back-office intervention, reducing fulfillment latency, and pushing live order updates directly to customers.
- Built and open-sourced cron-observer-tool (Go, React/Next.js, MongoDB) — an SDK-based cron execution tracking, monitoring, and alerting system — integrated into Biniyog's sensitive stock-data scraping pipeline, and architected as a reusable internal platform to onboard cron jobs across KSecurities' other products.
- Built a subscription and payment system for Biniyog's paid products, integrating bKash, SSL Commerz, and manual deposit with back-office approval — with idempotency and retry handling to ensure reliable transaction processing across all payment channels.
- Developed an internal admin dashboard for the back-office team to manage users, subscriptions, payments, and gateway transactions, built with the help of Cursor for faster delivery using Nextjs and Radix UI (WorkOS).
- Architected Biniyog Shikkha — a trading education App-in-App inside bKash App — with feature flags (Flagsmith) to keep internal features isolated from the partner platform, and Playwright-based E2E testing with alerting to maintain uptime.
- Provisioned the infrastructure on DigitalOcean, set up the full CI/CD pipeline — build, artifact push, container restarts using Docker/Docker Compose, Nginx with Certbot for SSL — for both dev and prod, with Grafana/Prometheus metrics and ELK stack log monitoring on prod. Own the full infrastructure end-to-end.

Software Engineer -> Lead Software Engineer | **Remote** | **Azarc**
Cambridge, England, CB2 9DD | 2021 – 2024

- Built the front-end platform as the sole Angular developer — including user management, role-based access control, and ported the existing React-based BPM design system tool into Angular for task orchestration and execution auditing.
- Built a component catalog using Storybook — components were developed independently, reviewed and signed off by the product manager, then integrated into the business application.
- Led the migration from a monolithic Angular app to a React-based micro-frontend architecture (4 micro-frontends using MUI) — owned the Figma design system guidelines to ensure consistency across all micro-frontends and prevent design drift.
- Built an invoice-to-customs declaration generator using a stepper-based workflow — integrated ChatGPT for data extraction from invoices, auto-populated the declaration form, generated the PDF, and submitted to the UK customs authority with real-time status tracking on the transaction.
- Built a web scraper microservice in Go connected via NATS broker to automate phyto-sanitary certification claims on the UK government portal, removing a manual process and attaching certifications directly to transactions.
- Tech stack: Nx monorepo, Angular 15+, React, TypeScript, RxJS, NgRx, Go, gRPC, GraphQL, Apollo Client, NATS, JSON Schema, Puppeteer, GitHub.

Frontend Developer | Remote | [Blackswan Data](#)

15th Floor, WeWork, 10 York Rd, London SE1 7ND, United Kingdom

2016 – 2020

- Worked on PortalWorks 2.0, an airline seatback portal tool where portals from various airlines were loaded, designed, and developed using drag-and-drop widgets backed by Panasonic APIs for data and authentication. Exported and loaded portals onto flights. Wrote unit tests reaching close to 90% front-end coverage to ensure stability for this high-value client. Participated in daily scrums remotely.
  Tech Stack: AngularJS 1, CoffeeScript, Gulp, RequireJS, Testem, Jasmine.
- Led most of the front-end development for PortalWorks 3.0 — migrated from AngularJS to Angular 2 with RxJS, set up the Webpack build tool, added an Express.js middleware layer, and introduced Jest for unit testing. Became the go-to person for all front-end decisions and mentored other developers on the team.

Seasonal Freelance Fullstack Developer | Remote | [Upwork](#)

Dhaka, Bangladesh

2013 – Present

- Completed 16+ freelance projects across Angular, React Native, Ionic, Laravel, and WordPress, earning $100K+ with a 5.0 rating on Upwork.

Education

Bachelor of Science Computer Science

Brac University, Dhaka

2010–2014

Skills

- **Languages:** Go, Python, JavaScript, TypeScript, PHP
- **Frontend**: React, Nextjs, Angular, NgRx, RxJS, Redux, Webpack, MUI, Radix UI, Microfrontends.
- **Backend:** Node.js, NestJs, GraphQL, gRPC, RESTful APIs, Nats, RabbitMQ, Redis
- **Infrastructure & DevOps:** Docker, Kubernetes, Linux, AWS EC2, CI/CD, Nginx, Grafana, Prometheus
- **Databases:** PostgreSQL, MySQL, SQlite, MongoDB
- **Mobile:** PWA, Flutter, Native Android (Java)
- **Testing:** Jest, Jasmine, Cypress, Playwright
- **Other:** Microservices, SOLID Principles, Design Patterns, OOP, BASH Scripting