Anik Hasan - Senior Software Engineer (Platform & Product)

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Professional Summary

Product focused Platform and 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.

Skills

- **Languages:** Go, Java, Python, TypeScript
- **Cloud & Platform:** AWS (EKS, EC2, S3, IAM), Kubernetes, Docker
- **CI/CD & GitOps:** GitHub Actions, ArgoCD
- **Observability:** Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana), AWS CloudWatch
- **Architecture:** Microfrontends, Microservices, Event-driven systems, Distributed systems, SDK design
- **AI-Assisted Development: Cursor**, Claude.
- **Backend:** Go, NestJS, gRPC, GraphQL, REST APIs, NATS, RabbitMQ, Redis
- **Frontend**: React, Next.js, Angular, TypeScript, Micro-frontends (Nx/Turborepo)
- **Data & Payments:** PostgreSQL, MongoDB, bKash, SSLCommerz, idempotent processing, subscription systems
- **Mobile:** PWA, React Native, Flutter, Native Android (Java)
- **Testing:** Jest, Cypress, Playwright

Work Experience

Web Development and Platform Lead|Part Time|K-Securities & Consultants Ltd
Dhaka, Bangladesh|2024 - Present

- Designed and introduced a Kubernetes-based cloud-native platform using **Terraform, Helm, and ArgoCD (GitOps)**, enabling declarative, production-parity deployments across environments.
- Replaced manual VPS-based deployments (SSH, SCP, bash scripts) with a **GitOps-driven workflow**, reducing human error and ensuring consistent, auditable releases across dev, staging, and production.
- Developed reusable **Helm charts** for microservices (backend, frontend, cron, analytics), standardizing configuration management and simplifying multi-environment deployments.
- Provisioned and managed Kubernetes infrastructure using **Terraform**, enabling reproducible environments and eliminating configuration drift.
- Enabled **safe experimentation and progressive delivery** by supporting parallel service versions (v1/v2), improving release flexibility without service disruption.
- Improved system reliability through **workload isolation and resource management**, preventing resource-intensive services (e.g., logging, cron jobs) from impacting critical workloads.
- Standardized multi-environment deployments using **Kubernetes namespaces and configuration-driven workflows**, reducing environment inconsistencies and improving team collaboration.
- Architected and developed **biniyog.com.bd**, a stock trading platform serving 200,000+ users with real-time DSE integration, handling end-to-end order flow across web, back-office, and exchange systems.
- Automated order forwarding between Biniyog and DSE using a **Puppeteer-based service**, reducing latency and eliminating manual intervention.
- Built and open-sourced a **cron monitoring and alerting platform** (Go, React/Next.js, MongoDB), improving reliability and observability of background jobs.
- Delivered critical platform features including payment systems, internal admin tooling, and partner integrations, with a focus on **reliability (idempotency, retries), feature isolation, and production stability**.

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