

# H M Naimuzzaman Shuvo

Senior Full-Stack Engineer

+880 1675 829897 · hmshuvo314@gmail.com · linkedin.com/in/hmshuvo314 · Dhaka, Bangladesh

## SUMMARY

Software engineer with 5 years of experience leading full-stack development of real-time web and cross-platform applications in fintech, foodtech, and data visualization. Expert in React, TypeScript, Node.js, and scalable API design with a strong focus on type safety and automated testing.

## SKILLS

<b>Languages</b>	TypeScript, Python
<b>Frontend</b>	React, React Native, Next.js, Tailwind CSS, Tauri
<b>Backend</b>	Node.js, NestJS, GraphQL, Firebase
<b>Real-time</b>	WebSockets, WebRTC, FFmpeg, real-time systems
<b>AI</b>	AI agents, Gemini API, Claude Code

## EXPERIENCE

### Lead Frontend Engineer · Datatailr

2024 – 2026

- Architected the GUI for Datatailr's data visualization and code deployment platform, leading it from inception to successful launch
- Designed and developed the full React 19 frontend for a container orchestration platform featuring Docker jobs and DAG workflows, comprising 20+ routes and 270 modules with type-safe Apollo GraphQL and REST API integration using code generation and Zod validation
- Enhanced performance with tiered polling, visibility-based polling, exponential backoff for workspace connect, and tuned TanStack Query/Apollo defaults with targeted overrides
- Created a reusable DataGrid with sorting, resizing/reordering, context menus, and cursor-based pagination with reset-on-filter and URL-synced, Zod-validated filters for shareable list URLs
- Established strong API-to-UI type safety using GraphQL Codegen and Orval (OpenAPI React Query hooks with Zod), reducing runtime errors and accelerating feature development
- Delivered workflow visualization — DAG graphs with React Flow and Dagre, Gantt charts with Recharts, and an ANSI log viewer — enabling users to inspect run topology, timing, and logs in one interface
- Implemented role-based access control (Admin/Developer/User), injectable navbar and footer components, and URL-driven UI actions enabling deep-linkable modals
- Introduced end-to-end testing with Cypress and Jest, raising frontend test coverage to 90% and reducing production bugs

### Founding Software Engineer · Dynt

2024 – 2025

- Pioneered development of Dynt's open banking integration and finance and expense management solutions
- Integrated the Yapily API to enable secure account data access and payment initiation across 30+ European banks and financial institutions
- Developed a corporate card issuance system on Stripe's API for seamless generation and management of corporate payment cards
- Engineered an automated invoice and bill processing system using OCR, reducing processing time by 85% while maintaining detailed accuracy
- Built a robust expense management system with real-time approval workflows, streamlining employee spending management and enhancing business transparency
- Implemented automation workflows for categorization and reconciliation that match transactions automatically, cutting manual workload by 90% and ensuring accurate financial records
- Conducted performance profiling and optimized database queries, reducing API response times by 40% under peak load

## Full-Stack Engineer · Neoke

2024 – 2025

- Developed core features of Neoke's digital identity wallet for travelers, enabling secure storage and management of verifiable credentials such as passports, visas, and boarding passes
- Implemented credential presentation and consent flows enabling travelers to selectively share identity data with airlines and airports while maintaining privacy control
- Built full-stack features across the wallet's React/TypeScript frontend and Node.js backend, adhering to W3C Verifiable Credentials and open identity standards
- Collaborated with a distributed EU-based team at a seed-funded identity startup validated by IATA pilots involving major airlines and airports

## Full-Stack Engineer · Possier

2022 – 2023

- Led development of Possier 2.0, a trending restaurant billing POS software in India
- Designed and implemented a cross-platform POS management system with real-time data synchronization for 200+ clients, enhancing efficiency and customer experience
- Developed a robust offline ordering desktop app by embedding Node.js and MariaDB into a Windows binary, increasing system reliability by 50% through uninterrupted service
- Integrated Stripe, Google Maps, and Twilio APIs to enable payments, location tracking, and SMS notifications
- Reduced AWS cloud operation costs by 70% and improved system performance through management of EC2, S3, and Lambda services
- Engineered modular backend microservices using NestJS and Prisma to improve scalability and maintainability
- Architected a role-based access control system to enhance security and streamline user permissions across the POS platform
- Spearheaded migration of legacy components to modern frameworks, improving maintainability and future feature integration
- Designed a real-time analytics dashboard using WebSockets and React Native, providing actionable insights for restaurant managers