Mahadi Zulfiker

Full Stack Software Engineer

Uttara, Dhaka, Bangladesh

Github LinkedIn Portfolio

Contact: +880 1862183566

Email: mahade.adib45@gmail.com

Objective

Full-stack engineer with **3 years of experience** building scalable, high-performance web, mobile, and voice-AI applications using **Next.js, TypeScript, Node.js, Nest.js, and PostgreSQL/MongoDB/MySQL**. Skilled in robust backend systems, real-time audio and telephony pipelines, reusable UI components & npm packages, and production-ready delivery end-to-end. Experienced in multi-role dashboards, payment workflows, and multi-tenant commerce. Passionate about performance optimization and clean architecture.

Technical Skills

Frontend: React.js, Next.js, TypeScript, JavaScript, Tailwind CSS, Redux Toolkit, shadcn/ui, Remix, PHP

Mobile: React Native, Expo, Flutter, Capacitor, PWA · **Backend:** Node.js, Express.js, NestJS, REST API, GraphQL, BullMQ, Socket.io

Realtime & AI: LiveKit / WebRTC, SIP telephony, Gemini Live, Groq (STT/LLM), TTS pipelines, LLM integration

Databases: PostgreSQL, MongoDB, Prisma ORM, Mongoose, Redis, Supabase / PostGIS

DevOps & Tools: Docker, Git, GitHub Actions CI/CD, Vercel, Firebase, Heroku, AWS S3 / Cloudflare R2, Inngest, npm Package Development

Languages: Bangla (native), English (professional) · **Open to:** full-time or contract, Dhaka or remote

Payments & Integrations: Stripe, SSLCommerz, MoneyBag, Shopify Apps, WooCommerce / WordPress Plugins, n8n

Education

BSc in CSE — 2024–Present — Uttara University

Work Experience

Full Stack Software Engineer—SeloraX — November 2025–Present (Bangladesh—hybrid)

- Deliver end-to-end **high-performance web, mobile, and eCommerce solutions**, from architecture to deployment
- Sole author of **SeloraX Voice AI**, a Bangla-speaking AI call-agent platform handling inbound and outbound calls over a **SIP/LiveKit** pipeline
- Worked extensively with the **PERN stack (PostgreSQL, Express/Nest.js, React/Next.js, Node.js)** for scalable applications
- Built reusable internal tools and published **npm packages** and custom **n8n automation nodes**; improved infrastructure with **Redis caching** and **Docker-based environments**
- Integrated and supported **Shopify apps and WordPress plugin solutions**, ensuring smooth product delivery

Full Stack Engineer—Talktivity — June 2025–Present (remote)

- Build and maintain a **real-time voice-AI English tutor** that scores spoken English and returns a **CEFR** report
- Own the **React Native / Expo** mobile app and over half of the **Next.js** web frontend
- Work across the realtime audio pipeline: **LiveKit/WebRTC** transport with **Groq** STT/LLM and Kokoro TTS
- Cut a **32% incomplete-score rate** on AI reports to near zero by reworking the **BullMQ** scoring queue

Full Stack Engineer—Anirix — August 2025–October 2025 (Korea—remote)

- Contributed remotely to building and optimizing scalable full-stack applications
- Assisted in developing backend services and frontend UI improvements using modern frameworks
- Followed best practices in code quality, performance, and collaboration across distributed teams

Frontend Engineer—Softvence Agency June 2025–July 2025 (Bangladesh)

- Delivered responsive, client-ready interfaces with strong focus on UX and UI polish
- Built reusable component architecture and improved front-end performance

Co-founder & Engineer—AMGoal January 2025–August 2025 (Bangladesh)

- Co-founded and built the product end-to-end, owning architecture, frontend, backend, and deployment
- Ran the full delivery cycle from requirements through release while coordinating a small team

Projects

1. **SeloraX Voice AI**
   Definition: An AI voice-call agent that speaks Bangla and handles inbound and outbound phone calls end-to-end.
   a. Realtime speech pipeline over **LiveKit/WebRTC** bridged to a **SIP** telephony gateway, with a custom Bangla **text-to-speech** voice and **Gemini Live** reasoning
   b. Call routing, transcripts, and analytics surfaced in a multi-tenant operator dashboard
2. **Smart Sheba — Daraz-style Marketplace & Wallet**
   Definition: A full Daraz-style multi-vendor commerce platform with a digital wallet and a multi-level commission system, designed and built solo.
   a. Complete marketplace: vendor onboarding, catalogue, orders, and fulfilment behind a multi-tenant, role-based admin
   b. **Multi-level (tree) commission structure** with a purpose-built frontend for modelling, tracing, and auditing payout hierarchies
   c. Double-entry **wallet and ledger** with reconciliation and full transaction history
   d. Durable background workflows on **Inngest** and a deep backend integration with the **SeloraX** platform; **Next.js, Node.js, PostgreSQL, Prisma**
3. **NewTech Engineering — Website & CMS**
   Definition: A manufacturer's website with an admin CMS so non-technical staff manage all content without a developer.
   a. Built on **Next.js 16, React 19, TypeScript, Prisma/PostgreSQL** with **NextAuth** role-scoped permissions
   b. **TipTap** rich-text editing with media stored on **AWS S3 / Cloudflare R2**
4. **CRM/HRM — Recruitment Portal**
   Definition: A role-based portal to manage candidates, clients, jobs, and recruitment workflows.
   a. Multi-role login system (Admin, Vendor, Employee, Client)
   b. Job posting and candidate management with an HRM dashboard; **Next.js, MongoDB, NextAuth**
5. **Danger Alert — Community Safety App**
   Definition: A community safety app broadcasting proximity alerts and routing users to the nearest hospital or police station, shipped as both a Flutter app and an installable PWA.
   a. Geospatial proximity alerting with **Supabase / PostGIS** and realtime fan-out over **Socket.io**; **Flutter** client on **Node.js** services
   b. **Next.js PWA** packaged into a native Android app with **Capacitor**, giving one web codebase native geolocation, motion, and network access
   c. **GitHub Actions CI/CD** builds and signs the debug APK, release APK, and Play Store AAB, so shipping is a pipeline run

Open Source & Packages

n8n-nodes-selorax: custom n8n automation nodes published on npm (TypeScript)

WooCommerce Webhook Plugin: HMAC-signed webhook automation plugin for WooCommerce (PHP)

SEO Studio & AI Marketing Studio: Bangla-localized SEO-audit tool and an AI marketing-content tool, both solo

Other Projects: AM-dads, 3D Racing Game (Three.js), DreamJourneys, TutorNook, HireHub