

Md Nasim Sheikh

Lead Full-Stack Web Engineer

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TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL **Frameworks & Libraries:** React, Next.js, Node.js, Tailwind CSS, Socket.IO
Databases: MongoDB, PostgreSQL, Firestore, Redis **Cloud & DevOps:** Firebase, Vercel, GitHub Actions, Docker, Cloudflare
Integrations & Services: Stripe, OAuth 2.0, Payment Processing

PROFESSIONAL EXPERIENCE

Lead Full-Stack Web Engineer Sep 2025 – Present
AzoozGAT LLC Remote

Leading engineering on the AzoozGAT quiz and learning platform. Architecture, performance work, payment integration, and team direction. Now leading a ground-up rewrite onto a self-hosted PostgreSQL + Redis architecture, built for 5x subscriber growth.

- 30% bundle size reduction, 19% fewer database operations per session, and 24% faster page load times
- Built RBAC and payment-gated access from the ground up
- Authored the system architecture, data model, and API contracts for a full platform rewrite off Firebase onto self-hosted PostgreSQL + Redis
- Designed a 5-service architecture (web, Telegram bot, PDF worker, notifier worker, realtime gateway) with a phased Firestore-to-Postgres migration strategy

Full-Stack Web Developer Nov 2022 – Jan 2025
Freelance · Upwork, Fiverr, Freelancer Remote

Delivered 50+ full-stack MVPs across Next.js, Firebase, and TypeScript stacks with a 90%+ client satisfaction rate, including Budee.io, a PPC budget platform with Google Ads and Meta Ads integrations.

WEX Inc. Remote · Singapore (APAC)
Jr. Backend Web Developer Jun 2022 – Nov 2022

- Hardened payment processing workflows by implementing idempotent requests, strict input validation, and clear error states.
- Optimized slow queries and trimmed redundant database calls on hot payment paths to improve overall API latency.

Web Developer Intern Mar 2022 – Jun 2022

- Built and QA-tested internal UI features across browsers while maintaining technical documentation for REST endpoints.

SELECTED PROJECTS

Portfolio AI Assistant (Creator / Maintainer) [nasimstg.dev/?ask=1](#)

- Built a retrieval-grounded site assistant using a lexical intent router and BM25 over Groq Llama 3.1
- Hardened against prompt injection; 11 factual intents at zero LLM calls, 0 KB JS, \$0/month

xenvsync (Creator / Maintainer) [xenvsync.softexforge.io](#)

- Built a zero-dependency Go CLI for encrypted .env synchronization using AES-256-GCM and X25519 ECDH.
- Shipped 16 stable releases across 5 package managers (Homebrew, Scoop, npm, AUR, Nix).

SkillTreeOSS (Creator / Maintainer) [skilltreeoss.softexforge.io](#)

- Built an open-source gamified learning platform with ReactFlow, Zustand, and a Supabase backend
- Implemented theme-aware Dagre auto-layout and a GitHub-backed community curation pipeline

Banglish Cyberbullying Detection (Academic Project) [github.com/nasimstg/banglish-cyberbullying-detection-via-edge-ai](#)

- Fine-tuned a 4-bit-quantized Qwen2.5-1.5B model via QLoRA for offline Banglish cyberbullying detection
- Improved classification accuracy from 44% to 87% (F1 0.80) while targeting 3-4GB RAM edge devices

EDUCATION

BSc in Computer Science & Engineering Jul 2023 – Jun 2027
National Institute of Textile Engineering and Research, Dhaka University Savar, Bangladesh
Coursework across data structures, algorithms, operating systems, databases, computer networks, and software engineering.