

AI Shahariar Arafat Shawon

Backend Engineer

Dhaka, Bangladesh (Open to Remote) | +8801518-935876 | shahariarshawon.dev@gmail.com

Linkedin | GitHub | Portfolio

Professional Summary

Backend Engineer building multi-tenant SaaS platforms, LLM gateways, and workflow automation systems with **TypeScript, NestJS, PostgreSQL, Redis, Kafka, and Docker**. Focused on the problems real users bring: tenant isolation, AI cost control, access governance, and auditability. Owns services end to end, from data model to deployment.

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, C++

Backend: Node.js, NestJS, Express.js, FastAPI, REST APIs, WebSocket, Event-Driven Architecture, RBAC

Data & Messaging: PostgreSQL, Prisma, Redis, Kafka, MongoDB, MySQL, pgVector

AI Engineering: LLM Gateways, LLM Applications, RAG, LangChain, Vector Search

DevOps & Cloud: Docker, Linux, VPS, Nginx, CI/CD, GitHub Actions, Cloudflare, Cloud Deployment

Tools: Git, Swagger, Postman, Jest

Experience

Backend Developer & Technical Instructor

May 2026 – Present

Rise Together BD

Remote

- Own backend services for production applications in **NestJS, PostgreSQL, Redis, and Docker**, including the recruitment platform the organization now relies on to run its own hiring, from first application to final offer.
- Turn production engineering into teachable practice, leading hands-on sessions on API design, authentication flows, and schema design that help developers move from writing endpoints to reasoning about systems.

Projects

Tollbooth AI – Multi-Tenant LLM Gateway & AI Governance Platform

[Live Link](#)

NestJS, TypeScript, FastAPI, PostgreSQL, Prisma, Redis, Kafka, pgVector, Docker

- Engineered a provider-agnostic **LLM gateway** enforcing per-tenant API keys, RBAC, rate limits, and budget ceilings *before* a request reaches a model, turning unpredictable AI spend into governed cost per tenant.
- Moved token metering off the request path via **Kafka**-driven usage events, delivering per-request cost attribution, usage analytics, and full audit trails without slowing model calls.

Rise Together – Recruitment Automation Platform

[Live Link](#)

NestJS, TypeScript, PostgreSQL, Redis, Docker, VPS

- Converted the hiring lifecycle into a **stage-driven pipeline** where resume processing, eligibility checks, and candidate scoring advance applicants automatically, replacing manual screening.
- Built an automated notification engine keeping candidates informed through project submission, evaluation, and interview scheduling, deployed as a containerized stack on a Linux VPS.

SureSale – Multi-Vendor Marketplace Platform

[Live Link](#)

TypeScript, Node.js, Express.js, PostgreSQL, Redis, Docker, VPS

- Led backend for a marketplace serving vendors, buyers, and admins under strict **role boundaries**, with vendor onboarding, catalog, and tiered subscriptions built as independent modules.
- Delivered real-time messaging and notifications, using Redis caching to offload high-read catalog paths from the primary database.

Education

B.Sc. in Computer Science and Engineering

2024 – 2028

International University of Business Agriculture and Technology (IUBAT), Dhaka

Achievements

- **NASA Space Apps Challenge 2026** – Participant
- **3x Software Hackathon** Participant.
- **Competitive Programmer** on Codeforces and LeetCode.

Languages

Bangla: Native

English: Fluent