

MD NAZMUS SAKIB

Backend & Full-Stack Engineer

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SUMMARY

Backend-leaning full-stack engineer and de facto tech lead at a six-person startup, where I was one of three founding developers. I design and ship complete products end to end: NestJS and Django REST services, Next.js front ends, PostgreSQL and MongoDB, with authentication and multi-tenant permission systems I have built four separate times. I have twice built production LLM document-extraction pipelines with provenance tracking and graceful degradation at every failure boundary.

EXPERIENCE

Software Developer — EduApplify

Feb 2026 – Present

Bangladesh · Hybrid · One of three founding developers

- Lead four developers: plan projects, assign work, review delivery, and write a large share of the code. Merged 51% of all integration commits on one repository.
- Built the backend of an international conference delegate platform end to end — 281 endpoints, a 50-table PostgreSQL schema, and 38 hand-written migrations applied to a live database. 93% of the surviving code is mine, with zero TODO markers across 30,040 lines.
- Built a two-pass Gemini document-extraction pipeline where every value carries a provenance label, runs are cancellable and reversible, and every failure boundary degrades to manual entry. Sole author.
- Built an invitation-letter service rendering Markdown templates to A4 PDF through headless Chromium, with per-recipient QR codes and a self-healing browser pool. No document is ever written to disk.
- Designed a two-layer permission model separating which module a staff member works in from which of nine status transitions they may perform, plus JWT refresh rotation with reuse detection and instant revocation.
- Ran a 68-finding security and quality audit on a live production site and closed every security finding: 18 of 18 write routes verified as authenticated, rate limiting rebuilt in two layers, and the upload path hardened.
- Shipped a complete customer build in nine days: 39 commits, 191 files.

Software Engineer Trainee — NerdCoders Ltd

Feb 2025 – Jun 2025

Remote · Five-month internship

- Built REST APIs with FastAPI, PostgreSQL and SQLAlchemy, using repository and service-layer patterns, with Alembic migrations and OAuth2 with JWT.
- Containerised services with Docker and documented APIs with MkDocs.

SELECTED PROJECTS

BRCU Conference Platform — expo.malishaedu.com

NestJS · PostgreSQL · Prisma · Next.js · Puppeteer · Gemini

Delegate operations for an international education conference in China: invitation letters, visa tracking, airport transfers, and QR check-in across five operational desks. 281 endpoints, 50 tables, 93% mine.

CBECEA Association Platform — cbecea.com

Next.js · MongoDB · Auth.js · nginx

Bilingual English and Chinese site and CMS, edited entirely by non-technical staff. English and Chinese rows are written as pairs in one operation, so the two languages cannot drift apart. 88.7% of surviving code is mine.

EduApplify Platform (pre-launch)

Django REST · Celery · Redis · Gemini · Next.js

Study-abroad application platform: 282 endpoints, 82 models, ~1,450 tests. Sole author of the AI pipeline and the unlimited-depth partner hierarchy.

TECHNICAL SKILLS

- Backend** NestJS, Django REST Framework, Node.js, Python, TypeScript
- Frontend** Next.js App Router, React 19, Tailwind CSS, TanStack Query
- Data** PostgreSQL, Prisma, MongoDB, Redis, SQL migrations
- Security** JWT rotation & revocation, OAuth 2.0 with PKCE, multi-tenant RBAC, rate limiting, security headers
- AI & docs** Google Gemini structured output, Tesseract OCR, Puppeteer PDF
- Operations** Docker, Celery, nginx, PM2, Chrome Manifest V3

EDUCATION

BSc (Engineering), Computer Science and Engineering Aug 2023 – Dec 2027
Hajee Mohammad Danesh Science and Technology University, Dinajpur
CGPA 3.72 / 4.00 · Programmers Arena · CSE Club

CERTIFICATIONS

HackerRank SQL (Intermediate) · Database Design and Basic SQL in PostgreSQL, University of Michigan · Advanced MySQL Topics, Meta

LANGUAGES

Bangla (native) · English (professional working proficiency)