

# MIRZA SAIKAT AHMMED

## Full-Stack Developer | Backend Engineer

112, Joynogor, Kaitola, Bera, Pabna - 6681

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### Profile

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Full-Stack Developer with 3+ years of experience building scalable web applications and backend services. Skilled in React, Next.js, Node.js, TypeScript, and NoSQL databases (MongoDB, Firebase). Experienced in RESTful API development, CI/CD pipelines, and cloud infrastructure on AWS. Strong background in system design, database optimization, and delivering production-ready features end to end.

### Technical Skills

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Languages: JavaScript, TypeScript, PHP, C++

Frontend: React, Next.js, Vite

Backend: Node.js, Express, Nest.js

Databases: PostgreSQL, MySQL, MongoDB, Firebase

Tools & DevOps: Git, Docker, AWS, Redis, Prisma, CI/CD (GitHub Actions)

Concepts: REST API, JWT Authentication, OAuth, WebSockets, System Design, MVC Architecture

### Work Experience

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#### Team Lead

Feb 2026 – Present

Softvence IT Ltd., Dhaka

- Lead development teams and oversee system architecture and delivery.
- Implement CI/CD pipelines to automate build and deployment workflows.
- Manage cloud infrastructure using Docker, Virtual Private Server (VPS).
- Ensure system scalability, reliability, and performance optimization.
- Mentor developers and maintain code quality standards.
- Collaborate with designers and product managers to translate requirements into full-stack features using React and Next.js.

#### Back-End Developer

Nov 2025 – Present

Softvence IT Ltd., Dhaka

- Developed RESTful APIs using Node.js, Express, and Nest.js; built frontend interfaces with React and Next.js.
- Optimized database performance and system efficiency.
- Assisted in deployment processes and environment configuration.

#### Backend Developer

Jan 2023 – Oct 2025

Enterkey

- Developed RESTful APIs using Node.js, Express, and Nest.js; built frontend interfaces with React and Next.js.
- Deployed applications using Docker, AWS, and DigitalOcean.
- Integrated third-party services and optimized databases.
- Collaborated with DevOps teams on CI/CD and deployment processes.

### Projects

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- **Mobile Ganj** - Full-featured e-commerce platform for mobile phones and accessories (Bangladesh market). Built entire backend with NestJS, TypeORM, and MySQL.
- **Visual Studios Lens** - Full-stack photography business platform for a US-based studio. Built with Next.js, TypeScript, and Tailwind CSS.
- **Da'Connect - Peer-to-Peer Service Marketplace** (iOS App) - Built the entire backend from scratch using NestJS for a live US-based marketplace app (published on the App Store). Engineered RESTful

APIs supporting service listings, custom requests, in-app messaging, Stripe-secured payments, ratings & reviews, and moderation tools.

- **Florida Yacht Trader & Jupiter Marine Sales** - Full backend for two live US-based yacht/boat marketplace platforms. Built with NestJS, Prisma ORM, PostgreSQL, and Socket.IO for real-time updates. Containerized with Docker, reverse-proxied with Caddy, and deployed via GitHub Actions CI/CD on AWS EC2.
- **Onem - Private Members Club Portal** - Full-stack portal for a private club. Members book rooms at a Granada property and seats for FC Barcelona matches. Includes a searchable member directory with interactive map, admin approval workflows, configurable booking rules, and Firebase-powered invite-token onboarding and real-time notifications.
- **Token Monitor** - Full-stack AI usage monitoring platform tracking token consumption and costs in real time. Built with Next.js, TypeScript, and Tailwind CSS.
- **Brain Tumor MRI Analysis System** - AI-powered medical image analysis system (thesis project) detecting brain tumors in MRI scans using YOLOv8 deep learning and Python/PyTorch.
- **CypHype - Sociogram Analytics Platform** - Commissioned by the University of North Carolina at Pembroke; monitors and analyses social networks among residence hall students. Built with Next.js, React, and TypeScript.
- **Centralized Academic Records Web Solution** - Developed for a Govt. ICT Department Skill Development Project; designed REST APIs using Laravel and MySQL.
- **E-Learning Platform** - Full-featured course management and student-tracking platform for SkillShut BD. Built with PHP, Laravel, and MySQL.

## Education

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**B.Sc. in Computer Science & Engineering (Software Engineering)** Mar 2022 – Jan 2026  
American International University - Bangladesh (AIUB)

**Higher Secondary Certificate (HSC)** May 2019 – Dec 2021  
Willes Little Flower School and College

## Certifications

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- HackerRank Problem Solving (Basic)
- HackerRank Python (Basic)
- Networking with Ethical Hacking (Udemy)
- Google Analytics for Beginners (Udemy)

## Extracurricular Activities

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**Mentor** — Willes Photography Club May 2023 – Present  
- Guided exhibitions and workshops.

**Assistant General Secretary (Events)** — AIUB Computer Club Aug 2023 – Aug 2025  
- Organized AIUB CS Fest and technical events.

**Finance Secretary** — Uthshargo Foundation Bangladesh Oct 2023 – May 2024  
- Managed budgeting and financial operations.

## Languages

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- Bengali – Native
- English – Professional