

Md Rafiul Islam Full Stack Developer

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OBJECTIVE

Full Stack Developer building scalable web architectures and applications. Proficient in engineering robust backends with **Node.js, Express, and Prisma ORM**, alongside high-performance frontends using **Next.js, React, and TypeScript**. Skilled in database optimization and clean code. Expanding cloud infrastructure with **Docker** while focusing on integrating **AI and Machine Learning**.

SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, PHP, C, C++, Python
- **Frontend:** React.js, Next.js, Redux, Tailwind CSS, Bootstrap
- **Backend & Databases:** Node.js, Express.js, Laravel, REST APIs
- **Database:** PostgreSQL, MySQL, MongoDB, Prisma, Mongoose, Redis
- **Tools & Platforms:** Git, GitHub, Docker, cPanel, Vercel, Netlify, Render
- **Operating System:** Ubuntu Linux, Windows
- **Soft Skills:** Quick Learner, TeamWork, Responsibility, Leadership, Time Management

PROJECTS

EcoVault - Sustainable Ideas & Green Innovation

Technologies: Next.js, TypeScript, Tailwind CSS, Node.js, Express, PostgreSQL, Prisma, Redis, Stripe.

Architected a secure, enterprise-grade backend for a sustainability portal featuring AI-driven project recommendations and idea monetization. Built a robust multi-tier system supporting real-time community engagement, nested discussions, and distinct role-based dashboards.

- **Advanced AI & Security Architecture:** Integrated a RAG-based intelligent chatbot using pgvector embeddings for fast contextual queries, secured via enterprise-grade JWT authentication with strict role-based access control (RBAC) across distinct Admin, Moderator, and Member dashboards.
- **Monetization & Moderation:** Developed secure multi-tier subscriptions and payment workflows, backed by an admin/moderator dashboard for content lifecycle management (Review/Approve/Reject).
- **Community Engagement:** Engineered high-concurrency features including a Reddit-style voting system, dynamic nested commenting for structured discussions, and real-time interaction capabilities.

[Live Link](#) 🔗, [Frontend Code](#) 🔗, [Backend Code](#) 🔗

Apex Learning – Scalable Tutoring Platform & Booking Engine

Technologies: Next.js, TypeScript, Tailwind CSS, Node.js, Express, PostgreSQL, Prisma.

Developed a scalable tutoring backend with secure profiling, automated booking, and robust RBAC. Implemented admin oversight tools and social authentication for maximum efficiency.

- **Auth & Security:** Integrated Better Auth (Social/Email) with strict RBAC and mandatory verification.
- **Booking System:** Developed a granular time-slot system with automated, instant booking workflows.
- **Admin Controls:** Built a centralized dashboard for user moderation, stats, and category management.

[Live Link](#) 🔗, [Frontend Code](#) 🔗, [Backend Code](#) 🔗

EDUCATION

Bachelor of Science(B.Sc), Islamic University, Kushtia,
Computer Science and Engineering (CSE)

2019 – 2023
Dhaka, Bangladesh

LANGUAGES

• Bangla

• English