

Mostafizur Rahman Mahin

MERN Stack Developer

Uttara, Dhaka, Bangladesh

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Career Objective

Driven MERN Stack Developer and CSE student, passionate about solving complex problems through technology. Proven track record of developing secure, responsive applications with React, Node.js, and PostgreSQL/MongoDB. Eager to leverage my expertise in API security, role-based access control, and real-time synchronization to contribute to impactful, real-world digital solutions.

Skills

- **Frontend & Language:** Next.js, React.js, HTML5, Tailwind CSS, JavaScript, TypeScript, Shadcn, Zustand, Framer Motion
- **Backend:** Node.js, Nest.js, Express.js, jwt, Zod, Firebase, Socket.io, Redis
- **Database & Data Modeling:** PostgreSQL, SQLite, Prisma, MongoDB, Mongoose
- **Tools & Deployment:** Github Actions, Git, GitHub, Postman, Figma, Vercel, Render
- **Specialized Solutions & CMS:** WordPress, Elementor, SSLcommerz, Bkash, Stripe

Experience

Backend Developer Intern, Rise Together - Dhaka, Bangladesh

Dec 2025 - Apr 2026

- Engineered scalable Node.js/TypeScript backends using clean architecture and modular service patterns.
- Optimized PostgreSQL/Prisma schemas and spearheaded the integration of SSLCommerz & bKash.
- Developed low-latency Socket.io communication systems and automated background maintenance tasks using Node-cron.
- Secured APIs with JWT/Zod and led full-cycle deployments on Vercel, ensuring high availability.
- Working closely within a development team (using Git/GitHub) to implement features, perform code reviews.

Projects

1. Think Note Ai – AI-Powered Note Workspace:

[Live](#) | [Github](#)

Tech Stack: Next.js, NestJS, TypeScript, Prisma ORM, SQLite (Turso), Redis, Google Gemini AI, CI/CD (GitHub Actions), Zustand, Axios, Tailwind CSS, Shadcn UI, Framer Motion, JWT, Bcrypt, Helmet, Brevo, Winston, Swagger.

- Built a full-stack AI-powered note-taking platform using Next.js and NestJS, integrating Google Gemini for multimodal content analysis (text, PDF, images) and real-time AI interaction.
- Engineered a scalable backend architecture with Prisma + Turso (serverless SQLite), implementing Redis-based caching and rate limiting to improve performance and ensure API stability under load.
- Designed and developed a dynamic note management system with nested folders, tagging, global search, and debounced autosave, optimizing state management using Zustand to minimize re-renders.
- Implemented secure authentication and production-ready infrastructure, including OTP-based email verification, JWT sessions, request validation, logging (Winston), and resolved deployment challenges like Render cold starts and email delivery issues.

2. Clubero – Club Management Platform:

[Live](#) | [Github \(Client\)](#) | [Github \(Server\)](#)

Tech Stack: React.js, TypeScript, Node.js, Express.js, MongoDB (Mongoose), Redis, CI/CD (GitHub Actions), Zod, Firebase Admin SDK, JWT, Stripe API, TanStack Query, Axios, Tailwind CSS, DaisyUI, Framer Motion.

- Built a scalable multi-role SaaS platform (3+ roles) for memberships and event management, reducing manual operations through streamlined workflows.
- Migrated a monolithic backend to a modular TypeScript architecture with improved scalability, validation, and centralized error handling.
- Integrated secure authentication (Firebase Admin + JWT), Stripe payments, optimized APIs, and set up CI/CD with GitHub Actions + Vercel for automated deployments and faster delivery.

3. Lead Backend Developer | Projonmo (Client Project):

[Live](#)

Tech Stack: Node.js, Express.js, Prisma, PostgreSQL, Passport.js, JWT, In-memory caching, Rate limiting, CI/CD (GitHub Actions).

- Built a scalable backend using TypeScript, Express.js, Prisma, and PostgreSQL with secure authentication and RBAC (User, Member, Admin, Super Admin).
- Improved system performance and security by reducing API response time by ~30–40% through caching and optimized Prisma queries, while also implementing rate limiting to prevent abuse and unauthorized requests.
- Designed a clean, modular architecture for maintainability and faster future feature development.

Education

Bachelor of Science (**Computer Science and Engineering**), Uttara University - Uttara, Dhaka

2023 - 2027

Language

1. Bangla: Native/Fluent **2. English:** Professional/Fluent **3. Hindi:** Conversational