Md Shejan Mahamud

Full Stack Developer

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[Linkedin](#) [Github](#) [Medium](#) [LeetCode](#)

Summary

A passionate and detail-oriented Full Stack Developer with a strong focus on backend engineering and a solid foundation in building scalable, secure, and high-performance web applications. Skilled in designing clean and efficient RESTful APIs, I enjoy turning complex requirements into practical backend solutions that solve real-world business problems. I'm deeply committed to writing maintainable, well-structured code and making technical decisions that align with business goals. Continuously learning and improving, I actively explore new tools, technologies, and software engineering best practices to deliver polished, user-centric web applications

Skills

Language: JavaScript, TypeScript

Frontend: ReactJS, NextJS, Tailwind CSS

Backend: NodeJS, expressJS, NestJS

Database: PostgreSQL, Prisma, MongoDB, Mongoose

Dev Tools: Git, Github, Postman, Swagger

Other: BullMQ, NodeMailer, PassportJS, AWS(EC2,S3,CloudFront)

Experience

Front-End Developer (Intern)   **July 2024-Dec 2024**

Dev Cluster

- Design and develop user interfaces using React.js, Next.js, Redux, and Tailwind CSS.
- Fix bugs, integrate backend APIs with the front-end UI, and create complex user interfaces.

Projects

1. **AuthFlow - Authentication Api**   [Github](#)   [Live Link](#)

(A secure authentication system designed for production environments, built with scalability and performance in mind)

- Implemented secure auth with Passport.js (JWT, Google, GitHub). Enabled registration, login, password reset, and email verification (Nodemailer + BullMQ). Used access/refresh tokens for session management. Integrated Multer + AWS S3 + CloudFront for media. Scheduled cleanup via Node Cron. Added rate limiting and Swagger docs. Built admin-level user management.

Technologies: NodeJS, NestJS, PostgreSQL, Prisma, BullMQ, S3, PassportJS

2. **recaptz - CAPTCHA Solution for React**   [Github](#)   [NPM](#)

(A customizable, accessible CAPTCHA component for React with TypeScript support)

- Built a fully customizable and accessible CAPTCHA for React & NextJS, featuring TypeScript support, dark mode, audio playback, RTL, i18n, form library integration, confetti animation, and rich validation controls. Designed with responsive UI, keyboard shortcuts, and screen reader support for inclusive UX.

Technologies: ReactJS, TailwindCSS, TypeScript

Education

BBA in Management
2022-2026
Rajshahi College, Rajshahi

Language

English (Fluent)
Bangla (Native)