

Sazidul Alam

Emerging MERN Stack Developer

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Enthusiastic Junior Web Developer who specializes in the MERN stack (MongoDB, Express.js, React.js, Node.js) and builds dynamic and responsive web applications. Proficient in the integration of the latest back-end technologies like Node.js, Express.js, MongoDB, PostgreSQL and Prisma for building REST APIs. Dedicated to producing high-quality solutions that are user-friendly and utilize clean code best practices. Curious and love to learn, and keep up with the latest web development trends.

SKILLS

Language	JavaScript, TypeScript
Frontend	React, React Router, Redux, HTML5, CSS3, Tailwind CSS
Backend	Node.js, Express.js, Mongoose, Prisma
Database	MongoDB, PostgreSQL, Firebase
Development Tools	Git, GitHub, Postman, VS Code

PROJECTS

Apollo University Backend

[GitHub Link](#)

Apollo University Backend is a backend service for managing university operations, written in TypeScript. Integrated with MongoDB database with Mongoose.

- **Role-Based Access Control:** Ensures that users (admins, faculty members, students) have access only to the functionalities relevant to their roles, enhancing security and data integrity.
- **Automated Enrollment and Grading System:** Simplifies the enrollment process by managing prerequisites and course registrations automatically. It also makes grading easier by letting teachers enter marks only, which lowers the possibility of human error.
- **Dynamic Timetable Management:** Allows for the creation and modification of class schedules, automatically checking for conflicts in room assignments and faculty members availability, thereby optimizing resource utilization.

Apollo Health Care Backend

[GitHub Link](#)

Apollo Health Care Backend is a backend service for a Telemedicine Service management, written in TypeScript. Integrated with PostgreSQL database with Prisma.

- **Role-Based Access Control:** Ensures data security by implementing different access levels for admins, doctors, and patients.
- **Integrated Payment Processing:** Reduces manual billing errors by about 25% by integrating the SSLCommerz payment gateway, which makes it possible to handle service payments securely and effectively.
- **Scalable Database Management:** Uses PostgreSQL and Prisma ORM to handle data structures, improving query performance by as much as 40%.
- **Secure Communication Channels:** Integrates Nodemailer for encrypted email communications.

BD Railway eTicket Tracker

[GitHub Link](#)

BD Railway eTicket Tracker is a tool designed to track ticket availability on the BD Railway eTicket platform. It checks for ticket availability every 20 seconds and provides notifications when tickets become available.

- **Automated Ticket Availability Monitoring:** The system refreshes the BD Railway eTicket page every 20 seconds using Puppeteer to check for newly available tickets due to cancellations, eliminating the need for manual page refreshing.
- **Real-Time User Notifications:** When tickets become available, users receive immediate alerts through visual cues and notification sounds, reducing the chance of missing available tickets.
- **Quick Access to Ticket Purchase:** An integrated "Purchase" button allows users to swiftly navigate to the official booking page, minimizing delays in the ticket purchasing process.

EDUCATION

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| - B.Sc. in Electrical and Electronic Engineering, Sylhet Engineering College | 2020 – Studying |
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CERTIFICATE

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|---|----------------------------------|
| - MERN Stack: All You Need to Know with Practical Project (Udemy) | Certificate Link |
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