

Mynul Islam

Full Stack Engineer

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[PORTFOLIO](#), [GITHUB](#), [LINKEDIN](#)

EXPERIENCE

Aliyah Holdings LLC, Remote - Full Stack Developer

Aug 2024 - present

- Developed scalable full-stack web applications using **React, Next.js, Node.js, and PostgreSQL/MongoDB**.
- Built reusable frontend components to maintain consistent UI patterns across multiple applications.
- Designed and implemented **RESTful APIs** with structured validation and authentication.
- Implemented **JWT-based authentication** and role-based access control for secure systems.
- Optimized database queries and indexing strategies to improve API performance.
- Integrated third-party services including payment APIs and external business tools.
- Improved frontend performance using memoization, dynamic imports, and optimized state updates.
- Collaborated with distributed teams in agile development cycles and code reviews.

TECHNICAL SKILLS

- **Frontend:** React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3
- **Styling:** Tailwind CSS, SCSS / SASS, Material UI, Responsive Design
- **Backend:** Node.js, Express.js, REST APIs, GraphQL, tRPC, JWT Authentication
- **Databases:** PostgreSQL, MongoDB, Prisma, Mongoose
- **Tools & DevOps:** Git, GitHub, Docker, GitHub Actions, Postman, Linux, AWS (EC2, S3), CI/CD Basics, Redis, Stripe API Integration, Zod, Agile/Scrum, Data Structures & Algorithms, AI Tools : Claude , ChatGPT and Gemini
- **Problem Solving:** [LeetCode](#), [Codeforces](#) ,[HackerRank](#) .

PROJECTS

System 3.0 (Gamified Habit Tracker) - [Live](#)

Tech: Next.js, TypeScript, tRPC, MongoDB, Mongoose

- Built a full-stack habit tracking system with dynamic stat progression, task tracking, and ranking logic.
- Engineered a **type-safe API layer** using **tRPC and Zod** to ensure reliable frontend-backend communication.
- Designed scalable MongoDB schemas for user progress, rankings, and historical activity tracking.

- Implemented real-time UI updates for streak logic, rank progression, and dynamic state changes.

Ticket Fusion, Event Management Platform- [Live](#)

Tech: Next.js, TypeScript, tRPC, MongoDB, Mongoose

- Developed event booking and management features with secure authentication and role-based access control.
- Integrated **Stripe payment workflows** for booking transactions.
- Built dashboards with filtering, pagination, and reusable UI components for event operations.
- Improved performance for high-read endpoints using **Redis caching** and optimized query handling.

Transportation Management System (GQLAB) - [Live](#)

Tech: Next.js, React, GraphQL, Node.js

- Built dashboard modules for operational tracking, shipment visibility, and large dataset handling.
- Integrated **GraphQL APIs** for efficient data fetching and frontend rendering.
- Implemented filtering, pagination, and role-based interface behavior for different user types.

Mini Social Feed Mobile App - [Repo](#)

Tech: React Native, TypeScript, Node.js, MongoDB, Firebase FCM

- Built a social feed application supporting authentication, posts, likes, comments, and notifications.
- Developed backend APIs for post creation, interaction handling, and notification workflows.
- Integrated **Firebase Cloud Messaging** for real-time push notifications.
- Designed data models to support scalable feed retrieval and user interaction features.

PROFILE SUMMARY

Full Stack Engineer with 3+ years of experience building scalable web applications using React, Next.js, Node.js, and TypeScript. Experienced in designing REST APIs, building reusable frontend components, implementing authentication systems, and optimizing database performance. Strong focus on clean architecture, performance optimization, and delivering production-ready applications.

EDUCATION

Manarat International University, Dhaka Bangladesh - *B.Sc. in Computer Science*

Jan 2020 - Apr 2024

Chowmuhani SA College, Noakhali Bangladesh - *HSC*

2018 - 2019 batch