Md. Navidul Hoque

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

Professional Summary

Motivated and detail-oriented Backend Developer with experience in building scalable and secure backend systems using Node.js, NestJS, and Laravel. Skilled in database design (PostgreSQL, MySQL, MongoDB), API development, and Event driven architecture. Passionate about writing clean, maintainable code and continuously learning cutting-edge backend technologies.

Technical Skills

- **Languages:** TypeScript, JavaScript, PHP
- **Backend Frameworks:** Node.js, Express.js, NestJS, Laravel
- **Architecture & Patterns:** Microservices, REST APIs, Event-Driven Architecture
- **Databases & ORMs:** PostgreSQL, MySQL, MongoDB, Prisma ORM, Mongoose, phpMyAdmin
- **Messaging & Queues:** Redis, BullMQ, Apache Kafka, WebSocket, Cron Jobs
- **DevOps & Cloud:** Docker, Cloudinary
- **Security & Authentication:** JWT, OAuth2, Role-Based Access Control (RBAC), Rate Limiting
- **Payments & Integrations**: Stripe Connect
- **Version Control & Dev Tools:** Git, GitHub, Postman, Visual Studio Code

Projects

Doctors Appointment Booking System

Stack: NestJS, TypeScript, PostgreSQL, Prisma ORM, Redis, BullMQ, Apache Kafka, WebSocket, Stripe Connect, Docker, Cloudinary, Cron Jobs, JWT

[Github Repository](#)

- Built real-time chat & notifications using WebSocket, Redis, and BullMQ, supporting 1,000+ concurrent users.
- Implemented asynchronous data processing with Apache Kafka, handling 10K+ traffic events daily.
- Automated appointment updates, background jobs, and activity tracking with BullMQ and Cron Jobs, decreasing manual effort by 30%.
- Integrated Stripe Connect for secure multi-vendor payments, enabling instant payouts to 50+ doctors.
- Optimized performance with Redis caching and rate limiting, reducing API response time by 60% and preventing abuse.
- Increased user engagement by implementing email/SMS notifications, improving response rates by 25%.
- Containerized the platform with Docker, ensuring consistent development environments with Redis, PostgreSQL, and Kafka.

Multi-Vendor E-commerce Platform

Stack: PHP, Laravel, MySQL, JWT, phpMyAdmin, Docker, Redis

Github Repository

- Established scalable backend system supporting 100+ vendors to manage products, orders, and payments.
- Enforced role-based authentication with JWT, securing access for admins, vendors, and customers.
- Containerized the project with Docker, ensuring consistent deployments across environments.
- Expanded APIs for product search, order tracking, and vendor dashboards, handling thousands of weekly transactions.

House Security Check System

Stack: JavaScript, Express.js, MongoDB, Mongoose, JWT

Github Repository

- Created RESTful APIs for household security checks, serving 500+ homes securely.
- Applied JWT authentication with role-based access control, achieving 100% authorization coverage.
- Improved data quality by applying validation middleware, cutting invalid requests by 40%.

Professional Experience

Backend Software Engineer

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- Implemented authentication and authorization systems with JWT and OAuth2 (Google, Facebook).
- Designed and optimized REST APIs for production environments with 99.9% uptime.
- Developed performance-focused backend services for internal tools, increasing operational efficiency.
- Improved maintainability and scalability by applying clean architecture principles.

Education

- **B.Sc. in Computer Science & Engineering** — Military Institute of Science and Technology (MIST), 2020–2024 | Medium: English
- **HSC** — Dhaka Residential Model College, 2017–2019
- **SSC** — Dhaka Residential Model College, 2015–2017

References

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