

# Tarek Rahman

## Junior Backend Developer

Active backend developer specializing in Express, NestJS, and Node.js, dedicated to transforming concepts into reliable solutions. I excel in developing efficient and scalable backend systems, with a strong focus on creating seamless user experiences. My experience includes developing and managing a B2B portal that enhances agent management and operational efficiency. I am also experienced in building GraphQL APIs with NestJS, leveraging TypeORM, modular architecture, and cloud integration to improve application performance and functionality.



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## EDUCATION

**B.Sc. in Computer Science and Engineering**  
TMSS Engineering College Bogura

## WORK EXPERIENCE

**Backend Developer**  
Fly Far Tech.

08/2023 - 10/2025

1229, Hazi Abdul Latif Mansion,  
2nd Floor, Ka-9, Bashundhara Rd,  
Dhaka, BD

### Tasks

- Engineered a **modular Central API** leveraging **Object-Oriented Programming (OOP)** and the **Factory Pattern** to unify multiple GDS and NDC integrations. Developed a **Base Class Architecture**, enabling shared logic across derived service modules with static service entry points for consistent invocation and easy extensibility. Integrated complex **third-party APIs** (both JSON and XML-based) for airline operations such as booking, fare search, and ticketing, optimizing parsing and transformation of large payloads. Improved **CRUD operations and response handling** for flight APIs by implementing stream-based data processing, reducing memory footprint and improving performance. Refactored legacy GDS code to a **service-oriented structure**, abstracting vendor logic and improving maintainability and scalability
- Collaboration & Aggregation** : Worked with aggregators to streamline service offerings and optimize data handling across multiple providers.
- B2B Portal Management** : Managed portal functionalities including agent management and role-based access control for staff and users.
- Tech Stack & Optimization** : Leveraged MySQL, MongoDB, Node.js, Express, and NestJS to develop reliable, high-performance services. Applied OOP design principles and the Factory Pattern to support multiple data sources, third-party integrations, and background job processing.
- CI/CD & Logging** : Implemented CI/CD pipelines for smooth deployments and automated testing. Utilized MongoDB for logging to improve observability and debugging across services

## SKILLS

JavaScript, Typescript, NodeJS, NestJS, ExpressJS

MongoDB, MySQL, Redis

ORM, ODM

API Documentation

REST API

GQL

SOAP API

## PERSONAL PROJECTS

Nest js GQL RBAC (07/2025 - 07/2027)

- Description**: An application built with NestJS and GraphQL, implementing Role-Based Access Control (RBAC). Uses TypeORM for PG database management, bcrypt for password hashing, and JWT for authentication and authorization. Role-specific permissions are enforced at the GraphQL resolver level using NestJS guards and decorators, ensuring secure and efficient access control.
- Technology** : NestJS, NodeJS, BUN, GQL, PGSQL, TypeORM
- Project Link**: <https://github.com/Tarekrahan5500/nestjs-graphql>

E commerce-Server (01/2023 - 10/2025)

- Description**: Node.js with MongoDB e-commerce server. DRY method for clean coding. For pictures, use Cloudinary; for forms, use Express Validation. JWT Express is used to validate users. MVC is designed for adaptability. An error class is used to handle errors. Technology: NodeJS, ExpressJS, Typescript, MongoDB, Express JWT, Cloudinary
- Technology**: NodeJS, ExpressJS, Typescript, MongoDB, Express JWT, Cloudinary.
- Project Link**: <https://github.com/Tarekrahan5500/simple-ecommerceserver-v2>