

# Monkir Chowdhury

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💬 [linkedin.com/in/monkir](https://www.linkedin.com/in/monkir)

Software Engineer with 2+ years of experience building scalable web applications using ASP.NET Core, Node.js, and modern frontend frameworks. Strong background in API development, database optimization, and third-party system integration, including GDS and airline APIs. Experienced in designing high-performance backend systems for travel-tech and analytics platforms, with a focus on performance and reliability.

## Education

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2020 - 2024

### B.Sc. in Computer Science & Engineering

[American International University-Bangladesh, Kuratoli, Dhaka](#)

- CGPA: 3.83/4.00

2017 - 2019

### Higher Secondary Certificate (Science)

[Rajarbag Police Lines School & College, Rajarbag, Dhaka](#)

- GPA: 4.00/5.00

2015 - 2017

### Secondary School Certificate (Science)

[Bangladesh Bank High School, Motijheel, Dhaka](#)

- GPA: 4.86/5.00

## Employment

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Apr 2024 - Present

### Junior Software Engineer

[Prime Tech Solutions Ltd., Dhaka, Bangladesh](#)

- Contributing to a large-scale Online Travel Agency (OTA) platform serving 20+ travel partners.
- Developing and maintaining high-performance ASP.NET APIs and MVC applications.
- Integrating airline and ticketing systems via GDS and airline APIs.
- Designing optimized SQL stored procedures for high-volume transactional systems.
- Improving system reliability and performance through debugging and query optimization.

Oct 2023 - Mar 2024

### Research Assistant

[Dr. Anwarul Abedin Institute of Innovation, Dhaka, Bangladesh](#)

- Contributed to the development of the Television Rating Point (TRP) analytics system.
- Built backend services using ASP.NET Core and MySQL for large-scale log processing.
- Developed reporting modules generating analytical insights from ad and program logs.
- Optimized complex SQL queries to improve reporting performance.

## Skills

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### LANGUAGES

◆ C# ◆ JavaScript ◆ TypeScript ◆ Python ◆ HTML ◆ CSS

### BACK-END

◆ ASP.NET Core ◆ ASP.NET MVC ◆ Node.js ◆ Express.js ◆ Nest.js ◆ Flask

### FRONT-END

◆ React.js ◆ Next.js ◆ jQuery

### DATABASES

◆ MySQL ◆ PostgreSQL ◆ Microsoft SQL Server

### ORM / TOOLS

◆ Entity Framework Core ◆ Dapper

### DEVOPS & DEPLOYMENT

◆ Docker ◆ Nginx ◆ Ubuntu Server ◆ PM2

### AUTHENTICATION & AUTHORIZATION

◆ OAuth ◆ Passport.js ◆ JWT ◆ RBAC

### VERSION CONTROL

◆ Git ◆ GitHub ◆ GitLab

## Project Experience

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### ■ Online Travel Agency (OTA) Solution

April 2024 – Present | [Prime Tech Solutions Ltd.](#)

- Developed a scalable OTA system supporting both B2B and B2C operations.
- Implemented features like booking, ticketing, cancellations, and re-issue workflows.
- Integrated GDS and Airline APIs for real-time data.
- Designed efficient backend systems and optimized database operations.
- Built modular and maintainable backend services.

Project: <https://primetechbd.com/tripper.html>

### ■ Hotel Central Reservation System (Hotel CRS)

April 2025 – Dec 2025 | [Prime Tech Solutions Ltd.](#)

- Built a centralized Hotel Reservation System managing room categories, availability, occupancy, and inventory.
- Configured Room Cancellation Policies, Allotment Plans, Meal Plans, Rate Plans, and Discounts for dynamic pricing.
- Developed scalable Web APIs for reservation processing, availability checks, and real-time updates.
- Created MVC-based admin panels for hotel staff to manage bookings, pricing, and policies efficiently.
- Integrated jQuery for dynamic UI interactions and improved responsiveness across the system.

Project: <https://primetechbd.com/hotel-management.html>

## ■ TRP (Television Rating Point) System

Oct 2023 – Mar 2024 | [Dr. Anwarul Abedin Institute of Innovation](#)

- Built a system to collect and analyze nationwide TV viewership data.
- Developed reporting modules for ad logs, program logs, and viewer analytics.
- Optimized large-scale data queries for faster reporting.

Project: <https://tvr.bscl.gov.bd>

## ■ Fundfury – Crypto Donation Platform

Jan 2025 – May 2025 | [Prime Tech Solutions Ltd.](#)

- Built a scalable crypto donation platform using Express.js, PostgreSQL, Sequelize, and Next.js.
- Implemented wallet-based authentication using nonce verification and JWT.
- Developed RESTful APIs for projects, users, blogs, and donations.
- Implemented role-based access control and dynamic engagement features (likes, views).
- Designed and developed an admin dashboard using PrimeReact.
- Optimized API performance with pagination and efficient data fetching.

## ■ Shoppinix – E-commerce Platform

May 2025 – Dec 2025 | [Personal](#)

- Developed a full-stack e-commerce platform using Next.js, NestJS, PostgreSQL, and Prisma.
- Implemented product listing, cart system, and guest checkout functionality.
- Secured APIs with JWT authentication.
- Built a responsive UI using shadcn/ui with mobile-first design.

Project: <https://shoppinix.com>