

MONKIR CHOWDHURY

Software Engineer | ASP.NET Core & Node.js

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PROFESSIONAL SUMMARY

Software Engineer with 2.5+ 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.

TECHNICAL SKILLS

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 · TypeORM · Prisma · Sequelize

DevOps & Deployment: Docker · Nginx · Ubuntu Server · PM2

Authentication & Authorization: OAuth · Passport.js · JWT · RBAC

Version Control: Git · GitHub · GitLab

WORK EXPERIENCE

Junior Software Engineer

Prime Tech Solutions Ltd.

Apr 2024 – Present

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.

Research Assistant

Dr. Anwarul Abedin Institute of Innovation

Oct 2023 – Mar 2024

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.

KEY PROJECTS

Online Travel Agency (OTA) Solution — B2B & B2C Travel Platform

April 2024 – Present | Prime Tech Solutions Ltd.

A scalable OTA system supporting both B2B and B2C operations, with booking, ticketing, cancellation, and re-issue workflows.

Integrated GDS and airline APIs for real-time data, backed by efficient backend systems, optimized database operations, and modular, maintainable services.

primetechbd.com/tripper.html

Hotel Central Reservation System (Hotel CRS) — Centralized Reservation Platform

April 2025 – Dec 2025 | Prime Tech Solutions Ltd.

A centralized hotel reservation system managing room categories, availability, occupancy, and inventory. Configured cancellation policies, allotment plans, meal plans, rate plans, and discounts for dynamic pricing; built scalable Web APIs for reservation processing, availability checks, and real-time updates, plus MVC-based admin panels with jQuery-driven dynamic UI for hotel staff to manage bookings, pricing, and policies.

primetechbd.com/hotel-management.html

TRP (Television Rating Point) System — Nationwide Viewership Analytics

Oct 2023 – Mar 2024 | Dr. Anwarul Abedin Institute of Innovation

A system to collect and analyze nationwide TV viewership data, with reporting modules for ad logs, program logs, and viewer analytics, and large-scale data queries optimized for faster reporting.

tvr.bscl.gov.bd

Fundfury — Crypto Donation Platform

Jan 2025 – May 2025 | Prime Tech Solutions Ltd.

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

Shoppinix — E-commerce Platform

May 2025 – Dec 2025 | Personal

A full-stack e-commerce platform built with Next.js, NestJS, PostgreSQL, and TypeORM, featuring product listing, a cart system, and guest checkout. Secured APIs with JWT authentication and built a responsive, mobile-first UI using shadcn/ui.

shoppinix.com

EDUCATION

B.Sc. in Computer Science & Engineering (CSE)

2020 – 2024

American International University-Bangladesh

Kuratoli, Dhaka

- CGPA: 3.83 / 4.00

Higher Secondary Certificate (Science)

2017 – 2019

Rajarbag Police Lines School & College

Rajarbag, Dhaka

- GPA: 4.00 / 5.00

Secondary School Certificate (Science)

2015 – 2017

Bangladesh Bank High School

Motijheel, Dhaka

- GPA: 4.86 / 5.00

LANGUAGES

- Bangla — Native
- English — Professional Working Proficiency

HOBBY

- Playing cricket
- Travelling