Minhajul Islam *Software Engineer*

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💼 PROFESSIONAL EXPERIENCE

Technonext Software Limited, *Software Engineer*   08/2023 — present | Dhaka, Bangladesh

- OOP principles are maintained always.
- Layered architecture (repository pattern) is followed for the project.
- Optimized database pull frequency for each database call to enhance system efficiency and reduce load.
- Integrated AWS S3 for user's image file storage and implemented APM for real-time error tracking and logging.
- Integrated SonarQube within the development workflow to ensure adherence to industry best practices, enhancing code quality.
- Implemented microservice architecture to enhance modularity and scalability.
- Implemented Dapper and Entity Framework as ORM.
- Learned and implemented progressive search for a client.

INTERCLOUD LIMITED, *Software Engineer*   02/2022 — 07/2023 | Dhaka, Bangladesh

- Consistently applied SOLID principles to ensure clean, scalable, and maintainable code.
- Used both code-first and database-first approaches.
- Integrated Payment Gateway methods like bKASH and NAGAD.
- Implemented auto-email generation using RabbitMQ.
- Wrote multiple complex stored procedures and triggers.

🧠 SKILLS & TECHNOLOGIES

Skills
C# | Microsoft SQL Server | PostgreSQL | MySQL

Framework
.Net 6 | .Net 8

Design Pattern
Repository Pattern | Factory Pattern | Singleton Pattern | Dependency Injection (DI) Pattern

Data Access
Dapper | Entity Framework

📂 PROJECTS

FirstTrip

This is an upcoming business-to-consumer online travel agency where users can book flights, hotels, and plan tours. PostgreSQL, .Net 8, Radis, MongoDB, AWS, React, and Tailwind are being used. Flight Search, Booking, and Ticketing services to streamline end-to-end user journey within the project are developed and implemented.

FirstTrip B2B 🔗

An OTA platform for B2B clients. .Net 8, MS SQL Server, and Angular were used to develop this project. Reissue and Refund service after confirming ticket for a flight was developed.

Brilliant 🔗

Brilliant CONNECT brings a complete communication solution. .Net Core, MS SQL Server, RabbitMQ, Javascript, and jQuery were used in this project. In this project, Balance Transfer, NID registration, Payment Portal, Agent management, and Notifications management were doveloped by me.

🎓 EDUCATION

BSc in Computer Science & Technology,   2017 — 2022 | Dhaka, Bangladesh
Ahsanullah University Of Science & Technology

Higher Secondary School Certificate, *Notre Dame College*   2014 — 2016 | Dhaka, Bangladesh

🧠 RESEARCH EXPERIENCE

Estimating Autism Spectrum Disorder Severity by Incorporating Physiological Markers to Aid in Robot Enhanced Intervention Therapy 🔗

In this research, several body markers were used to detect the autism spectrum level and the ADOS score of an autistic child in order to aid in Robot Enhanced Therapy. This research is currently ongoing.

Research on to detect DDoS and SQL injection Attacks Simultaneously 🔗

Multimodal Neural Network was used to detect DDoS and SQL injection attacks simultaneously. Over 90% accuracy rate was achieved to detect DDoS attacks and SQL injection attacks in tandem and also exclusively.