MD ENAYET HOSSAIN

Dhaka, Bangladesh — 01568411565

✉ Email — </> StopStalk — ○ GitHub

Objective

Innovative software developer with 1 year of experience in .NET and AI integration expertise, seeking to leverage skills in microservices architecture, multi-agent systems, and intelligent application development for cutting-edge software solutions.

Skills

Programming Languages: C# (Advanced), C++, TypeScript, JavaScript

Backend Technologies: ASP.NET Core, Entity Framework Core, AutoMapper, **Microsoft Semantic Kernel**, Dapper ORM

Frontend Technologies: Angular, Bootstrap, HTML5/CSS3, Responsive Design

AI/ML Integration: OpenAI API, Multi-Agent Systems, AI Orchestration, LLM Integration

Databases: MSSQL Server, MongoDB, **TimeScaleDB**, Database Optimization

Architecture: Microservices, Multi-Agent Systems, Plugin Architecture, DDD, Clean Architecture, SOLID

DevOps & Tools: Docker, Git/GitHub, IIS, Visual Studio, Postman, Swagger/OpenAPI

API & Integration: RESTful APIs, Kafka, RabbitMQ, JWT, Algolia, Cloudinary, **GDS (Sabre, Travelport)**

Advanced .NET: Dependency Injection, Async/Await, .NET CLR & JIT, Middleware, Performance Optimization

Experience

Software Engineering Intern — July 2024 - Sept 2024
Itransition, Dhaka, Bangladesh — *Training Program*

- Contributed to software development, testing, and deployment under team collaboration
- **Gained exposure to enterprise-level software architecture and best practices**

Software Engineering Intern — Sept 2024 - Oct 2024
Akij iBos, Dhaka, Bangladesh — *Akij iBOS*

- Solely developed **TrackForce backend** using ASP.NET Core and TimeScaleDB for employee activity monitoring
- Designed session logging, activity monitoring, and data aggregation with performance-optimized Dapper queries
- **Implemented intelligent data processing and analytics for employee productivity insights**

Jr. Software Engineer — Nov 2024 - Present
Akij iBos, Dhaka, Bangladesh — *Akij iBOS*

- Migrating PHP-based **Akij Air OTA platform** to .NET Core, improving performance and maintainability
- Integrated Sabre and Travelport GDS APIs for seamless flight booking and data retrieval
- Implementing **commission, dynamic markup, and discount logic** on flight search results for pricing optimization
- Worked on core OTA modules including **price validation, flight booking, and ticket issuing** with accurate PNR generation
- **Architected modular solutions with plugin-based extensibility** for enhanced system flexibility

Projects

Job Assistant Multi-Agent System
Dec 2024 - Present

Stack: .NET 9, Microsoft Semantic Kernel, OpenAI API, Multi-Agent Architecture

Built intelligent job assistance platform with multi-agent orchestration. Engineered specialized AI agents (Resume Parser, Job Matcher, Career Advisor, Interview Coach) for autonomous collaboration in resume analysis and opportunity matching.

Impact: Automated 80% of job search workflows — **GitHub:** View Project

Enterprise Microservices E-Commerce
Jan 2024 - Mar 2024

Stack: .NET Web API, Entity Framework Core, Docker, RabbitMQ

Architected scalable e-commerce backend using microservices patterns. Implemented services for catalog, cart, and order processing with RabbitMQ messaging and Docker containerization.

Impact: 3x performance improvement — **GitHub:** View Project

Personal Collection Management
July 2024 - Sept 2024

Stack: ASP.NET Core 8, Angular 18, Algolia Search, Bootstrap

Full-stack media collection system with Algolia search integration for real-time filtering and personalized recommendations. Responsive Angular frontend with seamless CRUD operations.

Impact: Sub-100ms search response — **GitHub:** View — **Live:** Demo

TrackForce - Employee Analytics
Nov 2024 – Present

Stack: ASP.NET Core 6, TimeScaleDB, Dapper, Entity Framework Core

Workforce analytics solution for real-time activity monitoring. Optimized time-series storage with high-performance queries for sub-second analytics processing.

Impact: 70% faster queries, 500+ employee tracking — **Live:** Access System

Console Game Framework
July 2024 – Sept 2024

Stack: C#, Object-Oriented Programming

Created a console-based Rock-Paper-Scissors game to practice object-oriented programming principles in C#. Implemented game logic with intelligent computer choices, statistical tracking, and win/loss analytics.

GitHub: View Project

Education

B.Sc. in Computer Science & Engineering
2021 – Present

World University of Bangladesh (WUB)

Certifications & Learning

- **Microsoft Semantic Kernel:** AI agent orchestration and LLM integration
- **OpenAI API Integration:** AI-powered application implementation
- **Microservices Architecture:** Enterprise distributed system design

Extra-Curricular Activities

- Solved 600+ algorithmic problems (Codeforces, GeeksforGeeks, LeetCode) demonstrating computational thinking
- **Exploring cutting-edge AI/ML integration with enterprise applications**