

Niloy Ahmed Pulok

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TECHNICAL SKILLS

Programming Languages: C#, C++, Java, JavaScript

Libraries and Tools: .NET, ASP.NET Core, Web API, MVC, Entity Framework Core, MSSQL, jQuery

Misc: Git, GitLab CI/CD, Visual Studio, Jira

Interests: AI, ML, System design, microservice architecture, Docker, Kubernetes

WORK EXPERIENCE

A4 Aero Limited

Remote

Software Engineer, 12 months

01/07/2024 - 01/08/2025

- Worked on the development of **large-scale OTA platforms from scratch**, serving leading travel agencies in Bangladesh and overseas.
- Contributed to the development of **multi-tenant architecture platforms**, enabling multiple clients to use the same system while accessing API data based on their subscriptions.
- Integrated **globally recognized GDS systems** (e.g., Sabre) and external APIs to enhance travel service connectivity.
- Optimized .NET-based services**, reducing server load and improving system responsiveness.
- Improved search efficiency by **reducing search latency by 60%** through database query optimizations and caching.

Systems Services Solutions

On-Site

Software Engineer, 12 months

01/07/2023 - 01/07/2024

- Collaborated remotely with the international company **Function One** (Syracuse, New York) to develop **large-scale** web applications.
- Actively participated in **Agile ceremonies**, **client meetings**, and **team communication** to ensure project alignment.
- Developed interactive UI components using Blazor, enabling seamless client-side and server-side rendering.
- Built reusable Razor components to streamline workflows and enhance modularity.
- Implemented **complex business logic** through client collaboration, enhancing codebases and optimizing performance.

PROJECTS

MediBook — ASP.NET Core 5.0 MVC, MSSQL, JavaScript, Bootstrap, jQuery, Azure

[Source Code](#)

- Developed a **web-based appointment management system** for doctors and patients.
- Created an **efficient platform** for scheduling, canceling, and rescheduling appointments.

Comprehensive Testing of a Web Application

- Gained hands-on experience in software testing and Agile methodologies under the guidance of **Sr. SQA Engineer Wasif Zaman** at RiseUp Lab.
- Documented test cases ensuring **95% test coverage** using Agile methodologies.

ACHIEVEMENT AND CERTIFICATE

- Intra AIUB Programming Contest Fall 21-22 - Senior [Ranked 14th](#)
- Solved 500+ problems in Various Online judges [Link](#)
- HackerRank Skill Certificate - SQL Basic [HackerRank](#)

EDUCATION

American International University Bangladesh

2019- 2023

Bachelor Degree in Computer Science & Engineering (CSE)

CGPA: 3.61