Murad Hossen

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CAREER OBJECTIVE

Software engineer experienced in building web and cloud applications, focused on clean, maintainable code and reliable delivery. Dedicated to continuous learning and disciplined work habits, with a growing interest in artificial intelligence and its real-world applications. Aspires to expand expertise in AI-driven system design, enhance decision-making through intelligent automation, and progress into higher-impact roles, owning complex systems, mentoring peers, and contributing to scalable, user-centered products.

TECHNICAL SKILLS

Programming Languages: C#, C++, JAVA, JavaScript, TypeScript, Go, Python
Frameworks, Libraries & Tools: DotNet Core, React, NodeJS, Redis, RabbitMQ, Postgres
DevOps & CI/CD: Azure DevOps, Azure Pipelines, Bicep, Docker
Cloud & Azure Services: Azure Entra ID, App Insight, Log Analytics Workspace, Azure Key Vault, Function App
Scripting & Command Line: PowerShell, Git Bash
DevTools: Git, Postman, VS Code
AI Skills: ChatGPT, Google Gemini, GitHub Copilot, MCP Server Integration, Cursor, Claude

WORK EXPERIENCE

Software Engineer - Cefalo Bangladesh Ltd.

Consultant Engineer(Cloud Team): KPMG Technology Service   Aug 2022 - Present

nTAAP: Built nTAAP, an Azure App Services–based **automation platform** that orchestrates robust workflows cutting ~**95%** of manual, repetitive work and significantly speeding up service delivery.
Distributed Systems: Architected an **event-driven microservices system** using **Azure Service Bus** and **Redis** for decoupled communication and performance.
Database Architecture & Development: Designed and integrated a **Cosmos Graph DB** solution, developing a **custom adapter** and complex **Gremlin queries** to enable efficient querying of dynamic data relationships.
RBAC Based AuthN & AuthZ: Architected a full-stack **RBAC framework**, integrating **Azure Entra ID** with a custom database to enforce granular authentication and authorization.
Test Engineering: Led the test automation strategy by designing unit tests with xUnit, achieving more than **90%** line and branch coverage, and architecting the end-to-end test process, including test plans, cases, execution, and reporting.
Cloud Services: Orchestrated the **Azure App Service** operational backbone, managing **identity**, secrets, performance and logging through integrated services including **Entra ID, Key Vault, Application Insights and Log Analytics**.

Trainee Software Engineer   Mar 2022 - Aug 2022

TechTalk: Developed TechTalk, a full-stack blogging platform with React frontend and **RESTful APIs** using .NET/Node.js, implementing secure authentication middleware for user verification and resource management.
Comprehensive Training: Accelerated proficiency in various technologies through hands-on development and mentorship from specialized trainers.

Teaching Assistant   Sep 2020 - Aug 2022
Department of Computer Science & Engineering, Jahangirnagar University

Leadership: Led specialized technical training programs focused on C, C++, Data Structures, and Algorithms topics to build a strong competitive programming posture for the institution, accumulating **200+** trainees over two years.
Mentoring: Managed the training lifecycle by coordinating sessions, designing practice contests, and analyzing performance metrics to ensure continuous skill development.

EDUCATION

Jahangirnagar University	Savar, Dhaka
M.Sc. in CSE | CGPA 3.48/4.00	Jul 2022 - Jul 2023
Jahangirnagar University	Savar, Dhaka
B.Sc. in CSE | CGPA 3.78/4.00	Mar 2017 - Jun 2022

AWARDS & ACHIEVEMENTS

- **1**st **(Global),** Codechef October Challenge 2018 (Division 2)
- **3**rd, 2019 Cub Hunting Programming Contest
- **19**th, 2019 ICPC Dhaka Regional (Team: JU_3divides3)
- **23**rd, 2020 ICPC Dhaka Regional (Team: JU_Amigos)
- **25**th, 2019 ICPC Dhaka Regional Preliminary (Team: JU_3divides3)
- Participated in more than **20** regional, national, and inter-university Programming Contests
- Solved over 1,500+ programming problems on different online judges