

Murad Hossen

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PROFESSIONAL SUMMARY

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 career plan to grow 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, Powershell

Frameworks & Tools: .NET Core, React, NodeJS, Azure DevOps, Azure Services, Git, Docker, CI/CD

Cloud: Azure Entra ID, Logic App, Function App, Application Insight, Log Analytics Workspace, Azure Key Vault

Other: Data Structure, Algorithms & Competitive Programming

WORK EXPERIENCE

Software Engineer - Cefalo Bangladesh Ltd.

Mar 2022 - Oct 2025

Consultant: Cloud Team, KPMG Nordic Technology Service

Aug 2022 - Oct 2025

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 operational backbone, managing identity, secrets, performance and logging through integrated services including Entra ID, Key Vault, Application Insights and Log Analytics.

Trainee Software Engineer - Cefalo Bangladesh Ltd.

Mar 2022 - Aug 2022

Learning: Accelerated proficiency in various technologies through hands-on development and mentorship from specialized trainers.

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.

Teaching Assistant

Sep 2020 - Aug 2022

Department of Computer Science & Engineering, Jahangirnagar University

- Led technical training programs focused on C, C++, Data Structures, and Algorithms to build a strong foundation for programming contests.
- Managed the training lifecycle by coordinating sessions, designing practice contests, and analyzing performance metrics to ensure continuous skill development.

EDUCATION

Jahangirnagar University

M.Sc. in Computer Science & Engineering

Savar, Dhaka

Jul 2022 - Jul 2023

Jahangirnagar University

B.Sc. in Computer Science & Engineering

Savar, Dhaka

Mar 2017 - Jun 2022

AWARDS & ACHIEVEMENTS

- 15th in ICPC Dhaka Regional 2020 Team: jU_Shantiniketon
- 17th in ICPC Dhaka Regional 2020 Preli Team: jU_Shantiniketon
- 23th in ICPC Dhaka Preliminary 2022 Team: jU_Amigos

- Participated in more than 20 regional, national, and inter-university Programming Contests
- Ranked 1st(Global) out of 13073 participants in Codechef October Challenge 2018(Division 2)
- Solved over 1350+ programming problems on different online judges
- Organizer, Problem Setter, and Judge of Cub Hunting Programming Contest 2019, the goal of this contest was to encourage junior students of Jahangirnagar University in problem-solving.