

# EHSANUL MOSTOFA

## Full-Stack Software Engineer

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Committed and results-driven professional with 5+ years of experience and strong problem-solving abilities, with a track record of building scalable enterprise systems and improving overall system performance. Strong foundation in mathematics and logical reasoning, with the ability to assess accuracy, design efficient solutions, and communicate complex ideas clearly. Dedicated to continuous improvement, high-quality documentation, and supporting team growth through effective knowledge sharing.

### PROFESSIONAL EXPERIENCE

#### SOFTWARE ENGINEER

2022 – 2024

ERA InfoTech Ltd. | DHAKA, BANGLADESH

- Improved Angular page performance by 28% by refactoring components, optimizing change detection, and reducing unnecessary API calls which demonstrated strong analytical and problem-solving skills across frontend systems.
- Increased backend API efficiency by 35% through applying SOLID principles, algorithmic improvements, query optimization, and restructuring endpoints using .NET and Node.js significantly lowering latency.
- Automated repetitive workflows and optimized backend logic to support more reliable and scalable operations across AWS-hosted environments.
- Troubleshoot and resolved complex frontend and backend issues using systematic debugging and analytical reasoning to maintain stable application behavior.
- Took ownership of multiple new modules, handling architecture, development, integration, and deployment while collaborating in Agile sprints.
- Authored clear and structured technical documentation to support knowledge sharing, onboarding, and long-term maintainability.
- Mentored 6+ junior developers, simplifying advanced concepts, improving their code quality by 30%, and building analytical reasoning skills comparable to mathematical instruction.
- Contributed to Enterprise/ERP modules by enhancing workflow logic, integrating scalable microservices, and improving overall system stability across distributed environments.

#### TEACHING ASSISTANT

2021 – 2022

AIUB | DHAKA, BANGLADESH

- Provided guidance and support to students in courses such as Web Technologies and Introduction to Programming, helping them solve complex problems and strengthen their logical and analytical skills.
- Designed and managed classroom activities that encouraged critical thinking, problem-solving, and the practical application of mathematical and programming concepts.

**IT FRONT DESK****2019 – 2020**

AIUB | DHAKA, BANGLADESH

- Assisted students, faculty, and visitors with inquiries, academic information, and system access issues, ensuring fast and accurate frontline support.
- Managed administrative tasks such as record updates, appointment scheduling, document handling, and coordinating with academic departments to maintain smooth daily operations.

**EDUCATION**

ALGOMA UNIVERSITY | ONTARIO, CANADA

**2024 – 2025**

Master of Computer Science

Academic Standing: 85%

AIUB | DHAKA, BANGLADESH

**2018 – 2022**

Bachelors in Computer Science and Engineering

GPA: 3.6/4.0

**TECHNICAL SKILLS**

- Programming Language: C#, JavaScript, TypeScript, Python
- Framework / Library: Angular, React, Node.js, jQuery, .NET Core
- Operating System: LINUX (ubuntu), WINDOWS
- Management Tool: Jira, Trello, Miro, DevOps
- Version Control: Git, Github, BitBucket, MS Azure
- Others: Anaconda (Python), Jupyter Notebook, MATLAB, Google Colab

**EXTRA CURRICULAR ACTIVITIES**

- Actively participated as a member of the Notre Dame English Club, fostering language skills and organizing literary activities.
- Served as an active and engaged member of the Notre Dame Science Club, contributing to various scientific initiatives and events.
- Consistently participated in Inter-University Science Fairs and Robo Festivals, specializing in Robo-Soccer Bot.
- Actively participated in Intra-University Science Fairs specializing in competitions focused on logo and graphic design.

**CERTIFICATES**

1. Google Project Management: Professional Certificate (Level 1), Coursera
2. IT Essentials: PC Hardware and Software, Cisco

**2023****2018**