

# Md Erfanul Islam Bhuiyan

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## Work Experience

### Senior Software Engineer, Enosis Solutions

Apr 2024 – Jul 2024 | Dhaka, Bangladesh

Was promoted to senior software engineer for my exceptional performance, and significant team contribution, where I contributed to multiple teams and led backend development.

- Developed scalable solutions, transitioning a hiring platform from Node.js to **.NET 8** ensuring the modular architecture.
- Managed the development process of a substantial feature for a top project management software on **Angular**.
- Upheld coding standards and mitigated potential issues by conducting over 50 **code reviews** of peer works.

### Software Engineer, Enosis Solutions

Jan 2023 – Mar 2024 | Dhaka, Bangladesh

Worked with a team to migrate a top dental practice management solution based in the USA, where I contributed with extensive R&D, developed new features and services, and resolved production issues.

- Modernizing legacy systems, upgrading applications from vb.net to C# .NET 6, and integrating **Azure cloud services**.
- Built a microservice with **Azure Functions** for sending bulk emails, and developed SSO with Azure Active Directory.
- Identified security vulnerabilities and implemented a backend authorization layer in API endpoints to prevent data breaches.

## Projects

### CPorBit, Personalized competitive programming mentor

Feb 2021 – Jan 2022

It is a web-based personalized competitive programming mentor that analyses Codeforces submissions and suggests problems to help users improve their ratings. I led system design and developed the problem suggestion algorithm.

Technologies: Django, Python, PostgreSQL, React, TailwindCSS

### Green Division, A pathway for beginner problem solvers

Apr 2021 – Jun 2021

This web platform enables growth tracking for beginner problem solvers by utilizing selective problems from Beecrowd to enhance their basic programming concepts. I developed the automated tracker and authentication feature for this platform.

Technologies: Django, Python, SQLite

### ExpenseXpert, Group expense management app

Nov 2020 – Jan 2021

It is an Android application designed to manage group expenses, especially for group events, simplifying individual expense calculations. I led the system design and developed the backend functionalities

Technologies: Android, Java, SQLite

## Skills

**Technologies:** C/C++, C#, .NET, JavaScript, TypeScript, Node.js, Angular, Python, Django, Java, Android, SQL, HTML, CSS, React

**Cloud Services:** Azure Functions, App Insight, App Configuration, Key Vault, Blob Storage, Redis Cache, AWS S3, Google Analytics

**Development Tools:** Git, Visual Studio, Azure DevOps, Postman, Mockoon, Docker, Linux

**Others:** English, Atlassian (Bitbucket, JIRA, Confluence), Microsoft Office (Excel, Word, PowerPoint)

## Education

### B.Sc in Computer Science and Engineering,

Daffodil International University

Jan 2018 – Jan 2022

CGPA: 3.73 out of 4.00

## Achievements

### Champion in DIU Intra University Programming Contest 2021, standings

Dec 2021

Awarded for achieving champion rank in the DIU Intra University Programming Contest 2021 among all the contestants from Daffodil International University.

## Competitive Programming

### Problem Solving

Solved more than 2200 data structures and algorithmic problems across various programming platforms.

### Individual Contests

Participated in numerous online and onsite individual programming contests.

- **Expert** (Max Rating: 1623) on **Codeforces**.
- 5th (Top 2%) in DIU Intra University Programming Contest 2019.
- 9th (Top 3%) in the DIU Take-Off Programming Contest Summer 2018.

### Team Contests

Participated in multiple national programming contests representing Daffodil International University.

- Top 40% in ICPC Dhaka Regional 2020, Team: DIU\_TrojAnZ
- Top 40% in MIST NCPC 2020, Team: DIU\_TrojAnZ
- Top 35% in ICPC Dhaka Regional 2019, Team: DIU\_Voids

### Problem Setting and Judging

Authored over 20 data structure and algorithmic problems.

- Problem Setter & Judge, DIU Take-off Programming Contest, Summer 2019 - Fall 2021.
- Problem Setter & Judge, Code for Athoy - Contest for Saving a Life.
- Problem Setter, STEM Fiesta Girls Programming Contest 2020.