

Arnab Roy

SOFTWARE ENGINEER · trifiasco.github.io

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PROFESSIONAL EXPERIENCE

• Craftsmen Ltd.

Dhaka, Bangladesh

Software Development Engineer

Dec 2019 - Present

- Developed multiple application wide features on a Web Application for Digitizing Newsroom.
- Designed and developed a microservice(AWS SAM) from scratch to communicate and process payload to or from other third party vendors.

• Enosis Solutions

Dhaka, Bangladesh

Software Engineer

Dec 2017 - Nov 2019

- Developed multiple application wide features on a large Fin-Tech Web Application.
- Globalized (Internationalized) a full-scale web application to support any number of locales (as of now 4) by using several localizing frameworks and libraries in both back and front end.
- Designed & Implemented framework to support different fiscal year format (from -12 to +12) in all financial logics and reports' calculations by devising formulas using modular arithmetic to replace manual conversion, improve efficiency and reduce the length of code-base by 90%.
- Designed & developed REST APIs and AngularJS components to port over the legacy application (built in ASP.NET MVC) to modularized SOA (Service-Oriented-Application).
- Reduced server query response by 15-20% by designing several constructive algorithms while Porting over legacy application to SOA.

TECHNICAL SKILLS

Programming Languages	C++, Javascript, Python, C#, F#
Web Technologies	NodeJS, React, GraphQL, Apollo, AWS Services, Express, Django, ASP .NET, AngularJS
Databases	MySQL, DynamoDb, Microsoft SQL Server, SQLITE
DevOps	AWS, Docker, Teamcity
Others	Data Structures, Algorithms, Functional Programming, git, LaTeX

EDUCATION

• Military Institute of Science & Technology

Dhaka, Bangladesh

B.Sc in Computer Science & Engineering

Jan. 2013 – Apr. 2018

PROJECTS

• Horcruxifier:

An application to secure files through encryption with added layer of security.

Node.js, React

• trifiasco-resume

A CLI version of my personal resume published as an npm package.

Node.js

• Automated Code Judge:

A LAN-based client server system to automatically judge computer programs.

Python, tkinter, TCP sockets

• Awaaz:

A text to speech converter mobile application.

Android

HONORS & AWARDS

2016	13th, ACM-ICPC Asia Dhaka Site Regional
2016	7th, DIU ACM-ICPC World Finals Warm Up Contest
2015	41st, ACM-ICPC Asia Dhaka Site Regional
2015	Runners up, Project showcasing of Course on Mobile Application Development