Md. Rakib Trofder

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SKILLS

Languages: C++ | Java | Python | C# | Javascript
Frameworks: Angular | ASP.NET | React JS
Technologies: Git | Docker | Nginx | PostgreSQL | Redis
Tools: Github | GitHub Actions | Postman | Linux

WORK EXPERIENCE

Associate Software Engineer | Streams Tech Ltd.

January 2024 - Present

Angular | ASP.NET | PostgreSQL | Git | Bitbucket | Docker

Responsibilities:
- Working on a monitoring and evaluation project with more than 100K+ end users.
- Developing new features, and writing APIs and queries according to business requirements.
- Refactoring code and designing scalable strategies to optimize system performance.
- Developing solutions using design patterns and industry best practices.

PROJECTS

Vaccine Management System

React JS | Node JS | EC2 | Amazon S3 | Cloudfront
AWS CodePipeline | CodeDeploy | CloudWatch | SNS

- Developing a scalable web application for vaccine registration, status updates, and certificate downloads (load balancing & auto-scaling).
- Implementing backend APIs, and developing frontend components using git best practices.

Software Reconstruction Tool

React JS | Nest JS | Python

- Building web tools for automated software reconstruction using large language models for efficient maintenance.
- Evaluating LLM effectiveness in reconstruction & identified limitations in complex scenarios.

Somoyon DU Official Website

React JS | Figma | Tailwind CSS | Netlify

- Portfolio website of Dhaka University Dhaka North Area Students' Association- Somoyon
- Developing dynamic components and data representation for handling scalable sites.

Khilkhet Pathagar Official Website

HTML | CSS | Javascript | Github Pages

- Portfolio website of a public library Khilkhet Pathagar which is located in Dhaka

EDUCATION

IIT, University of Dhaka
B.Sc, Software Engineering | Feb 2024
CGPA: 3.78/4.00

Notre Dame College, Dhaka
HSC (Science) | July 2018
CGPA: 5.00/5.00

INTERNSHIP

William & Mary, Williamsburg, VA, USA
Research Intern | Aug'23 - Dec'23
Technologies: Python | Design Patterns | LLMs
Responsibilities:
- Working on Software reconstruction, and implementing large language models.
- Making datasets of complex software system information for reconstruction.
- Measuring the reconstruction performance and finding out limitations of llms in software reconstruction perspective.

Cefalo Bangladesh Ltd., Bangladesh
Trainee Software Engineer | Jan'23 - June'23
Technologies: React JS | Node JS | Express JS| MySQL | Netlify | Render | JEST
Responsibilities:
- Completing a beginner project using React, NodeJS, ExpressJs, Tailwind CSS
- Deploying frontend in netlify and backend in rendered and use cloud mysql database.
- Working on an in-house web project, designing prototypes using Figma, and maintaining work plans and project progress through Jira

CERTIFICATES

- AWS Identity and Access Management
  Udemy | 2023
- Generative AI with Large Language Models
  DeepLearning AI | Coursera | 2023
- Master Git and Github - Beginner to Expert
  Udemy | 2023
- Docker Course for Beginners
  Udemy | 2022
- DevOps Fundamentals
  Udemy | 2021
- Google IT Support Professional Certificate
  Google | Coursera | 5 Courses | 2021
- Software Process and Agile Practices
  University of Alberta | Coursera | 2021