

Monesul Haque

✉ mones.cse@gmail.com ☎ +8801886926228 📍 Dhaka, Bangladesh 🔗 mones-cse.github.io

🌐 linkedin.com/in/monesul 🐙 github.com/mones-cse

PROFILE

Full-Stack Engineer with over 9 years of experience, specializing in front-end development, solid back-end capabilities, research, and a bit of DevOps and web3 technology like IPFS. Proficient in building scalable Sass-based web applications. I manage product lifecycles from concept to deployment, delivering efficient and user-friendly solutions. Currently focused on TypeScript, React, Next.js, Node.js, Express, and AWS.

WORK EXPERIENCE

Dossier

Co-Founder | Technical Owner

07/2024 – 12/2024

- Maintained backend infrastructure, ensured uptime, and optimized performance.
- Fixed bugs across both frontend and backend codebases.
- Provided technical support to users, especially for large file uploads.
- Managed deployments, monitoring, and scaling of the system as needed.

Co-Founder | Technical Lead

07/2022 – 06/2024

Dhaka

- At dolphin.io, led system architecture and product development, overseeing teams.
- Developed a Web3 cloud storage and document management ecosystem handling over **10 million** files.
- Led R&D on Web3 solutions using IPFS, including encryption and decryption of IPFS content.
- Used Django for document management system, Express.js for IPFS content processing, and React with Ant Design for the front end.
- Deployed backend, frontend, and decentralized IPFS infrastructure on AWS.

Senior Software Engineer

02/2022 – 06/2022

Dhaka

- Conducted requirement analysis and developed frontend solutions using React.
- Performed database design.

Cramstack

Technical Lead

01/2021 – 01/2022

Dhaka

- Developed a framework for context-based Natural Language Query (NLQ) suggestions.
- Designed and implemented a secure on-premise document management system for local bank, featuring a document pipeline with Tesseract OCR for processing 100k documents, along with role-based access controls.
- Automated COVID-19 data integration and developed daily chart generation for pandemic analytics on an official government website.

Senior Software Engineer

01/2019 – 12/2020

Dhaka

- R&D on a module to convert natural language-based queries to SQL queries like MySQL, and MSSQL.
- Refactored the system to a microservice architecture, improving scalability and maintainability.
- Migrated backend services to Docker and Docker Compose, streamlining deployment processes on GCP.

Software Engineer

02/2017 – 12/2018

Dhaka

- Performed requirement analysis and developed microservices using Flask, Django, D3.js, and ReactJS.

Inovio

Software Engineer

01/2016 – 06/2016

Dhaka

Contributed to the development of The Vault, a CRM system for wealth managers, using MeteorJS, ReactJS, and MongoDB. Assisted with D3.js integration for data visualization and MixPanel for tracking user interactions.

Pechas Game Studio

Game Developer

07/2014 – 05/2015

Dhaka

Developed mobile games like Anna & Fumbles, Cricket Career World Cup, Cricket Career BigInnings using Unity3d.

SKILLS

Front-end: TypeScript, React, Next.JS








Back-end: Node.js (Express.js), Python (Flask,Django)

Database: SQL, MySQL, PostgreSQL, MongoDB.

DevOps: Docker, AWS, GCP

Tools: Git, Jira, Notion, Figma, Photoshop

AWARDS

LongHash X Accelerator 	2022
Dossier: Decentralized Content Delivery	
National ICT Award (Big Data Analytics) 	2019
Cramstack: Power Analytics	
Rockstart AI Accelerator (Netherlands) 	2018
Cramstack: Search Driven Data Analytics Platform (NLQ Based) (Batch 2 Alumni)	
Echelon 100 (Singapore) National Champion 	2018
Cramstack: Search Driven Data Analytics Platform (NLQ Based)	
Digital Winner (Telenor) 	2017
Cramstack: Search Driven Data Analytics Platform (NLQ Based)	
Microsoft Imagine Cup National Champion 	2015
Karigor: Smoking Bad (Game)	
Microsoft Imagine Cup National Champion 	2014
Karigor: !prince charming (Game)	

PROJECTS

Dolpin

IPFS, React, Ant Design, Django, Express

A decentralized and encrypted storage layer built with IPFS/Filecoin, enabling secure file sharing. Designed to back up valuable NFTs and digital assets with enhanced privacy and security.

DMS (Document Management System)

React, Base Web, Tesseract OCR

Developed for a bank, this system allows secure role based access to digital records and converts physical documents to digital using Tesseract OCR, streamlining document management and improving efficiency

NLQ

React, Ant Design, D3.js, Django, Express

Developed an analytics platform with a natural language-driven search interface, enabling users to analyze and visualize data with virtually no learning curve. Designed to simplify data insights through intuitive querying and visualization tools.

Aamar link

Next.js, Ant Design, AWS, TypeScript

Built a centralized link management platform that enables users to organize and securely share important URLs. Includes an analytics dashboard.

EDUCATION

Master's in Computer Science & Engineering

United International University (UIU)

2021 – 2022
Dhaka, Bangladesh

Bachelor's in Computer Science & Engineering

Ahsanullah University Of Science and Technology 

2010 – 2015
Dhaka, Bangladesh

COURSES

FreeCodeCamp: Front End Certification 

FreeCodeCamp: Data Visualization Certification 

FreeCodeCamp: JavaScript Algorithms and Data Structures 