



# Farhan Sadek Sakib

Software Engineer · Full-Stack Developer · Cloud Enthusiast

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LinkedIn GitHub Portfolio

## Professional Summary

Software Engineer with 4+ years of experience building scalable backend systems and production web applications. Specialized in TypeScript/Node.js and Go, with strong experience in microservices, distributed systems, and event-driven architectures on AWS. Proven track record delivering end-to-end features, optimizing system performance, and designing maintainable services powering **100K+ daily active users**. Comfortable owning problems across backend, infrastructure, and developer tooling.

## Professional Experience

**Software Engineer** Oct 2022 – Present  
*Flarie Dhaka, Bangladesh*

- Designed and maintained microservice-based backend services using NestJS and Node.js, supporting a platform serving **100K+ DAU** with high availability
- Implemented event-driven communication using Redis, queues, and asynchronous processing to decouple services and improve API latency by **40%**
- Optimized DynamoDB and ClickHouse schemas and queries for large-scale analytics workloads, improving query performance by **60%**
- Developed AWS Lambda-based serverless workflows integrated with API Gateway, reducing infrastructure cost by **30%**
- Built shared frontend infrastructure including reusable React components and hooks used across **5+ projects**, accelerating feature delivery
- Contributed to system design discussions, code reviews, and internal tooling while mentoring junior engineers on TypeScript practices and backend architecture

**Junior Software Engineer** May 2022 – Oct 2022  
*Techzu Singapore (Remote)*

- Developed reusable React components using Material-UI adopted across **8+ production applications** to standardize UI development
- Implemented a real-time chat system using React, Node.js, and Twilio APIs supporting **500+ concurrent users** with reliable message delivery
- Improved API performance by introducing pagination, filtering, and query optimization across multiple PostgreSQL endpoints
- Containerized frontend applications with Docker and deployed production workloads to Azure Web Services
- Optimized slow SQL queries through indexing and query refactoring, reducing average page load times by **35%**

**Web Developer (Project-based)** Mar 2022 – May 2022  
*EncodersTech Chittagong, Bangladesh*

- Designed a lightweight custom ORM layer for MySQL to simplify query construction within a legacy system
- Implemented RESTful APIs for a freight management platform using Express.js

## Technical Skills

### Languages

Go TypeScript JavaScript Python  
C++ SQL HTML5 CSS3

### Frontend

React.js Next.js Redux Material-UI  
Responsive

### Backend

Node.js Express.js Nest.js  
REST APIs Microservices

### Backend & Architecture

Node.js Nest.js Express.js  
REST APIs Microservices  
Event-Driven Systems

### Cloud & Infrastructure

AWS Lambda EC2 S3 Docker  
Kubernetes Azure CI/CD

## Awards

- Champion** — PCIU Hackathon 2018
- Winner** — PCIU Intra-Departmental Programming Contest 2021

## Competitive Programming

- ICPC Dhaka Regional 2020** — Rank 83  
Team: PCIU\_CODE\_KNITTERS
- RMSTU Divisional Contest 2021** — Rank 15  
Team: PCIU\_CODE\_KNITTERS
- Codeforces Max Rating: **1308**
- 6+ national & divisional contests

## Training

and MySQL, supporting shipment and route operations

### Software Engineer Intern

Sohopathi

Nov 2021 – Mar 2022

Dhaka, Bangladesh

- Developed a React + TypeScript dashboard managing **1,000+ student records** with advanced filtering and data visualization
- Built a custom LaTeX equation editor with live preview later integrated into **3+ educational platforms**
- Improved API performance by redesigning data aggregation using MongoDB pipelines, achieving **70%** faster responses
- Developed and documented REST APIs using Express.js and Swagger/OpenAPI for frontend integration
- Refactored frontend architecture into reusable components, reducing duplication by approximately **40%**

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- **The Complete Node.js Course**

PONDIT · Sep 2021 – Feb 2022

- **Web Design & Development**

BITM · Jan 2017 – May 2017

### Education

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**B.Sc. in Computer Science & Engineering | CGPA: 3.81/4.0**

2018 – 2022

Port City International University

Chittagong, Bangladesh

- **Thesis:** Customer segmentation for better target marketing using RFM model and data mining techniques