

Tarikul Islam

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PROFESSIONAL SUMMARY

Backend-focused Software Engineer with 3+ years of experience building scalable distributed systems using Node.js and TypeScript. Strong expertise in microservices and event-driven architectures. Proven track record of boosting system throughput, lowering latency, and supporting high concurrent workloads. Experienced in building production-grade systems with high reliability and scalability.

TECHNICAL SKILLS

- **Backend:** Node.js, TypeScript, NestJS, Express.js, REST APIs, Microservices, gRPC
- **Frontend:** React.js, Next.js, Redux, Tailwind CSS
- **Databases:** PostgreSQL, MongoDB, MySQL
- **Architecture:** Distributed Systems, Event-Driven Architecture, RBAC, System Design
- **DevOps:** Docker, CI/CD, GitHub Actions, AWS
- **Tools:** Git, Linux, Jest

PROFESSIONAL EXPERIENCE

CyberSquadInc

Backend Software Engineer

Mar 2025 – Present
Bangladesh

- Architected scalable microservices using NestJS and gRPC, supporting distributed systems.
- Built high-performance APIs handling 5K+ daily requests across multiple services.
- Cut API response time by **60%** through advanced SQL query tuning and indexing.
- Increased system throughput by **40%** by consolidating multi-query operations.
- Established RBAC for multi-tenant architecture supporting Students, Agencies, and Universities.
- Automated CI/CD pipelines and containerized deployments using Docker.

GIZAN TECH

Software Engineer

Aug 2024 – Mar 2025
Bangladesh

- Built full-stack applications using React, Next.js, and Node.js.
- Lowered backend latency by **30%** via efficient query restructuring.
- Crafted REST APIs supporting scalable application architecture.
- Managed AWS deployments and CI/CD workflows.

FLUX IT

Software Engineer (Remote)

Jan 2023 – Jul 2024
Bangladesh

- Built production-grade backend services using Node.js and TypeScript, supporting multiple services and improving system reliability.
- Strengthened system reliability through CI/CD-driven deployment workflows.
- Designed REST APIs and optimized database interactions.

PROJECTS

ApplyGoal International Student Application CRM

Cyber Squad Inc.

Apr 2025 – Present

- Architected a microservices platform automating international student admissions and visa workflows.
- Built event-driven architecture using RabbitMQ, improving system scalability and asynchronous processing.
- Reduced manual document processing by **90%** through automation of Admission Portfolio workflows.
- Streamlined document generation pipeline, cutting processing time from minutes to seconds.
- Boosted system scalability to support high concurrent user traffic.
- Lowered database load by **50%** through efficient query restructuring.
- Deployed services using Docker and Traefik with monitoring via Prometheus and Grafana.
- **Live:** <https://applygoal.com/>

Reqfast Cyber Intelligence SaaS Platform

FLUX IT

Mar 2023 – Sep 2023

- Developed backend services for a SaaS platform managing cyber intelligence workflows.
- Structured scalable REST APIs for workflow mapping and security data processing.
- Refined API performance and minimized response latency across core services.
- **Live:** <https://reqfast.com>

Bar Management System

Oct 2022 – Dec 2022

PNC Soft Tech

- Built a full-stack role-based management system using React, Node.js, and MongoDB.
- Established secure authentication and authorization using JWT with multi-role access control.
- Built scalable REST APIs to manage users, committees, and workflows with secure data handling.
- Developed an admin dashboard enabling centralized control over user management and system operations.
- Ensured system reliability and maintainability through modular backend design and clean API architecture.
- **Live Project: dhakabarassociation.com**

Flux Gaming Platform Real-Time Social System

2023 – 2024

FLUX IT

- Integrated real-time social features that include chat, friend requests, and notifications.
- Enabled low-latency real-time chat and friend management workflows (request, accept, reject).
- Developed serverless backend services using AWS (DynamoDB, EC2, Serverless Framework).
- Integrated Amazon Cognito for secure authentication and token-based authorization (access/refresh tokens).
- **Live Project: fluxit.games**

EDUCATION

University of Barishal

2019 – 2023

Bachelor of Science in Computer Science and Engineering

LEADERSHIP & TRAINING

EDGE Government Software Training Program

Feb 2024 – Jun 2024

Training Instructor (Part-time)

- Trained students on frontend development and real-world project implementation.