

Kazi Fahim Imam

Backend Software Engineer (Golang)

📍 Dhaka, Bangladesh 📞 +880 1763-869944 ✉ fahimimam@iut-dhaka.edu
🌐 [linkedin.com/in/kazi-fahim](https://www.linkedin.com/in/kazi-fahim) 🐙 github.com/fahimimam

Summary

Backend Software Engineer with 3+ years of experience building and scaling services in **Go (Golang)** in production environments. Currently Software Engineer II at Pathao, focused on backend reliability, performance, and system design. IUT-graduated Computer Science Engineer with a strong foundation in data structures, algorithms, and distributed systems.

Technical Skills

- **Languages:** Go (Golang), Python, C++, C#, PHP, JavaScript
- **Backend & APIs:** REST APIs, Chi, Fiber, Microservices
- **Databases & Caching:** MySQL, PostgreSQL, Redis
- **Infrastructure:** Docker, Kubernetes, CI/CD, Git
- **Core Concepts:** Data Structures & Algorithms, OOP, System Design, Concurrency

Professional Experience

Pathao Dhaka, Bangladesh

Software Engineer II – Backend

Jan 2026 – Present

- **Concurrency Optimization:** Refactored legacy asynchronous algorithms by replacing unconstrained semaphore-driven goroutine spawning with a fixed-size **Worker Pool** pattern in **Go**, ensuring stable memory footprint and predictable resource utilization.
- **System Design & Caching:** Designing a “recent contacts” service for P2P send/request money flows, architecting an **LRU caching mechanism** to guarantee low-latency data retrieval and optimize database load.
- **Mentorship:** Onboarded and mentored a new engineer, guiding them through the codebase and development workflows to accelerate their ramp-up to full productivity.
- **Cross-Team Tooling:** Collaborated with the Web Dev team to build a self-service portal for Mobile Recharge packages, eliminating manual SQL entry and enabling dynamic, error-free package management.

Software Engineer I – Backend

Dec 2022 – 2026

- **Optimized User Onboarding:** Accelerated the signup flow by migrating temporary state data from PostgreSQL to **RedisJSON**, significantly reducing latency.
- **System Observability:** Engineered a centralized logging library with distributed request-ID tracing across **20+ microservices**, dramatically reducing production debugging time.
- **Secure Fintech Integrations:** Spearheaded direct fund integrations with Nagad and City Bank, securing financial communications with **AES-CBC encryption** and **HMAC signature validation**.
- **Automated Reconciliation:** Architected a Dead Letter Queue (DLQ) mechanism to handle transaction failures, automating financial reconciliation and reducing manual workload for the finance team.
- **Architectural Resilience:** Decoupled eKYC verification into an asynchronous process to bypass external portal downtimes, severely dropping signup failure rates.
- **Merchant Platform:** Built core backend modules for the Merchant portal, including merchant onboarding, MFS withdrawals, and beneficiary management.

Projects

- **ReadU** – Personal reading-tracker application; designed data model and core CRUD flows.
- **Dynamic Blog Website** – Full-stack blog with secure authentication and commenting system.
- **Cricket Game Recreation** – OOP-based simulation project in C++.

Education

Islamic University of Technology (IUT)

B.Sc. in Computer Science and Engineering

Dhaka, Bangladesh

2018 – 2022 CGPA: 3.17/4.0

Govt. Rajendra College

Higher Secondary Certificate

Faridpur, Bangladesh

2017 GPA: 5.00/5.00

Faridpur Zilla School

Secondary School Certificate

Faridpur, Bangladesh

2015 GPA: 5.00/5.00

Thesis

An End-to-End System for Handwritten Bangla Character Recognition

Designed a pipeline to segment Bangla documents down to individual characters and classify them using multiple CNN architectures.

Problem Solving Profiles

🔗 Codeforces 🍷 StopStalk ☰ LeetCode 🏠 uHunt