

# Abdullah Al Masum

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## Professional Summary

Software Engineer with **3+ years** of hands-on experience working across **mobile application development** and **backend services**. Strong foundation in **computer science fundamentals**, **clean coding practices**, and **Agile software development**. Experienced in delivering **well-scoped features**, **fixing production issues**, and collaborating effectively through **code reviews**, **issue tracking**, and **sprint planning**. Motivated learner with a growth mindset, eager to grow with engineering culture.

## Technical Skills

**Programming Languages:** C, C++, Go, JavaScript, TypeScript, Dart

**Frameworks & Libraries:** Go (net/http, Gin, Chi), NodeJS (ExpressJS, NestJS), Flutter

**Backend & APIs:** REST API, RBAC, Microservices

**Databases:** PostgreSQL, MySQL, MongoDB, Firebase

**Tools & Platforms:** Git, GitHub, CI/CD, Docker, Jira, Linux, Swagger / OpenAPI, Nginx

**Development Practices:** MVC, MVVM, Clean Architecture, Domain-Driven Design, Agile

## Professional Experience

### *Software Engineer | Relaxy*

**Aug 2022 – Dec 2025** | Dhaka, Bangladesh

- Developed and Maintained **multiple production Flutter apps** with **user-facing features**, UI improvements, and bug fixes.
- Integrated **RESTful APIs**, **Payment Gateways** with a focus on **clean architecture, performance, and maintainability**.
- Developed and Maintained **scalable backend service** supporting **150k+ active users** across multiple production applications.
- Built and deployed **containerized Go microservices** using **Docker**, hosted on **AWS EC2**, with automated **CI/CD pipelines**.
- Maintained **serverless backend components** using **Firebase Cloud Functions** for background jobs, notifications, and data synchronization.
- Collaborated closely with **Product, UX, and Application Engineering teams** to deliver new features and resolve bugs.
- Actively participated in **code reviews**, learning from **feedback** and improving overall code quality.

### *Contract Software Engineer | Banglafire*

**2023** | Dhaka, Bangladesh

- Developed core features such as **student management, attendance, and result tracking** for an **education management mobile application** using Flutter.
- Delivered tasks independently while refining solutions based on **review feedback**.

## Projects

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### *Deeplink Resolver Service (Go) | Architect*

- Built a backend service for **deeplink routing, validation, and error handling** used by production mobile applications serving **150k+ users**.
- Added **structured logging** to improve debugging and operational visibility.
- Deployed the service as a **Docker container** on **AWS EC2** with **CI/CD automation** to support reliable releases.

### *Serverless Backend Service (TypeScript) | Maintainer*

- Maintained **serverless backend functions** using **Firebase Cloud Functions** to handle **database updates** and **background jobs**.
- Implemented **push and in-app notifications** to support real-time application features.

### *Social Issue Reporting Platform (Go) | Architect*

- Built backend APIs for a social reporting platform handling **location-based data**.
- Implemented **real-time updates** using **Server-Sent Events (SSE)**.
- Implemented **event-based triggers** for backend processing and notification delivery.

### *Relaxy (Flutter) | Maintainer*

Mental health consumer app featuring **RIRI (Relaxy AI) companion chat, deeplinking, onboarding flow optimization, secure payment integrations** (bKash, SSLCommerz), **real-time chat** with delivery/read receipts, and **GA4, Mixpanel** analytics integration

### *Astute (Flutter) | Architect*

Education management platform built with **Clean Architecture**, featuring **secure JWT authentication**, and modules for **student management, results tracking, attendance, and assignments management**.

## Education

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### **B.Sc. in Computer Science & Engineering**

National University, Bangladesh

## Additional Information

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**Location:** Dhaka, Bangladesh

**Languages:** Bengali (Native), English (Intermediate), Hindi (Conversational)

**Problem Solving:** Working knowledge of **Data Structures and Algorithms** with hands-on practice using platforms such as **LeetCode** and **HackerRank**.