

Abdullah al Masum

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Professional Summary

Software Engineer with **3+ years of experience**, specializing in **Go backend development**. **Architected** and **maintained high-performance microservices** handling **150k+ users**, **optimized PostgreSQL databases** for scale, and **deployed containerized services on AWS**. Skilled in **API design**, **RBAC**, and **scalable system architecture**.

Technical Skills

Core Expertise: Go (*Gin/chi/net-http, GORM, SQLX*), REST API, Microservices, Redis, TDD
Databases: PostgreSQL, MySQL, MongoDB, Firebase, Database Design, Query Optimization
Infra & DevOps: Docker, AWS, Loki, Prometheus, OpenTelemetry, CI/CD, Linux, Nginx
Familiar with: HTML, CSS, JavaScript, TypeScript, Node JS, NestJS

Professional Experience

Software Engineer | Relaxy

Aug 2022 - Present | Dhaka, Bangladesh

- **Architected deeplink resolver** handling **routing, validation, and edge cases** for seamless app navigation across **150k+ users**
- **Deployed scalable Go infrastructure** with **containerized services** on **AWS EC2** using **Docker** and automated **CI/CD pipelines**
- **Designed and developed API** with **DynamoDB** and **NestJS stack** with proper documentation
- **Maintaining serverless application** with **Cloud Functions** deployed on **Firebase** for **database updates** and **push notifications** to mobile app

Key Go Projects

Deeplink Resolver | Architect

Production Go service serving **150k+ users** with seamless app navigation, architected with **microservice architecture** using **Docker containerization**, deployed on **AWS EC2** with automated **CI/CD pipeline** and **robust error handling**

Social Issue Reporting Platform | Architect

Go backend handling **geospatial data processing** and **real-time communication**, implemented **complex geospatial queries** in **PostgreSQL** processing data at upzilla, zilla, and division levels for **intelligent user detection** and **feed ranking**, designed **efficient geospatial database schema** with **optimized queries** and **location-based algorithms**, implemented **Server-Sent Events (SSE)** via **FCM** for instant updates and real-time notifications

Serverless Application | Maintainer

Serverless application with **Cloud Functions** deployed on **Firebase** serving **150k+ users** for **database updates**, **push & in-app notifications**, **user activity tracking**, **background jobs**, and **real-time sync** as part of critical backend infrastructure

Education

B.Sc. in Computer Science & Engineering - National University

Additional Information

Location: Dhaka, Bangladesh
Languages: Bengali (Native), English (Intermediate), Hindi (Conversational)