

# MD.AZIZUL HOQ

Backend Developer

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## Experience

### Backend Developer, SparkTech Agency

Building scalable **RESTful** APIs and backend services using **Node.js**, **Express.js**, **MongoDB**, PostgreSQL, with real-time features (**Socket.io**), clean architecture, **authentication**, and hands-on **Docker**, Linux, and cloud deployment.

01/2025 – Present

43 Mohakhali C/A,  
Dhaka 1212

### Python Trainer, Ministry of ICT

Secondary school level Digital Lab, under Ministry of ICT – Delivering practical **Python** training

05/2024 – 07/2024

## EDUCATION

### Jahangirnagar University, Msc In (IIT)

Master of Science (**MSc**), **2nd Semester**, at the Institute of Information Technology

06/2025 – Present

Savar, dhaka,  
Bangladesh

### University of Global Village (UGV), BSc in Computer Science & Engineering

CGPA: **3.63** (out of 4.00)

Successfully completed all coursework and semesters.

06/2020 – 09/2024

Barisal

## SKILLS

**Programming Languages:** C, C++, Golang, Python, shell scripting, JavaScript • **Frameworks/Libraries:** Node.js, **Express.js**, React.js, Next.js • **Databases:** MySQL, PostgreSQL, MongoDB

## PROJECTS

### 01. Health-Care Backend

Real-time healthcare application Handle video consultation, digital prescriptions, Stripe payments, rolebased access, and GDPR-compliant session handling.

• Project URL: [live-link](#)

01/2025 – 06/2025

### 02. Multi-Vendor Service Provider System – Backend

service provider platform with three roles—**Admin**, **Service Provider**, and **Customer**. Features include real-time updates via **Socket**, location tracking with **Maps**, and notifications through **Firebase**. Customers book services, providers manage bookings, and Admin oversees all users and services, scalable backend API.

[appLink](#)

03/2025 – 09/2025

### 03. Go-Desktop ERP system

**Golang** with the [Fyne.io](#) framework. The system manages business operations such as inventory

• project-URL: [github](#)

08/2023 – 12/2023

### 04. Student Management System (Web-based, RESTful API)

Customized an open-source **Go** project by adding **new modules**, improving API performance, and optimizing database design for efficient student data management. Project-URL: [Github](#)

04/2025 – Present

## CERTIFICATIONS

### DevOps

Level - 1

### Golang

Level - 2

### SDLC

Level - 1

### AWS

Level - 1

### Docker

Level - 1

### SQL

Level - 2

## ACHIEVEMENTS

### ICPC Dhaka Regionalist

Qualified for the **ICPC Dhaka Regional** as a Regionalist, proving strong analytical and coding abilities.

05/2021 – 2023

Dhaka

### 2nd Runner Up, UGV Intra-University Programming contest

2022

## DevOps Tools & Technologies

**Version Control** — Git, GitHub • **Continuous Integration/ Continuous Deployment (CI/ CD)** — Jenkins, Maven •

**AWS / Gcloud** • **Containerization** — Docker, Kubernetes • **Orchestration** — Kubernetes • **Infrastructure as Code (IaC)** —

Ansible, Terraform • **Configuration Management** — Chef, Puppet • **Monitoring** — Nagios • **Issue Tracking** — Jira

## EXTRACURRICULAR ACTIVITIES

### Treasurer, UGV Programming Club

• Managed finances and coordinated club events.

2022 – 2023

• **Facilitated problem-solving sessions for competitive programming.**

• Focused on skills and preparing them for coding competitions.

## LANGUAGE

• Bangla

• English

• Hindi

• Arabic