Md Sajib Hossain

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Career Summary

Software Engineer with **4+ years of experience** specializing in **backend development** using **Python, Django, and WebSockets**. Passionate about designing **scalable APIs**, implementing **real-time applications**, and optimizing system performance. Proven ability to deliver **high-impact solutions**, automate processes, and collaborate in **Agile teams**. Seeking to contribute to **innovative and scalable software solutions**.

Technical Skills

- **Programming Languages**: Python (Advanced), Go (Intermediate)
- **Frameworks**: Django (Advanced), Django REST Framework (Advanced)
- **Databases**: PostgreSQL (Advanced), MySQL (Intermediate), MongoDB (Intermediate), Redis (Intermediate)
- **Cloud Platforms**: AWS (Intermediate), GCP (Beginner)
- **Real-Time Technologies**: WebSockets, Celery, Redis Pub/Sub
- **Tools & DevOps**: Docker, Git/GitHub, Linux, Agile/Scrum

Professional Experience

Software Engineer (Backend) – Remote

📍 Progressay, London, UK | 📅 **Oct 2023 – Present**

- **Developed and optimized RESTful APIs** for an LMS, reducing system response time by **40%** and handling **10,000+ daily requests**.
- **Implemented WebSockets** for real-time chatbot and notifications, improving engagement by **25%**.

- **Built an AI-based grading system**, reducing manual workload by **60%** and improving accuracy.
- **Deployed scalable server infrastructure**, ensuring **99.9% uptime** and high availability.
- **Collaborated with frontend teams** to enhance user experience and ensure seamless API integration.

Software Engineer – Onsite

📍 Tiger Park Limited, Dhaka, Bangladesh | 🗓️ **Aug 2020 – Mar 2022**

- **Developed backend services and APIs** for large-scale web applications and **MyTeletalk**, an app serving **500K+ users**.
- **Optimized database queries**, reducing system response time by **35%**.
- **Implemented caching solutions** using Redis, improving data retrieval speed.
- **Worked in cross-functional teams** to ensure timely project delivery and seamless integration.

Project

BongoChat – Social Media Communication App

📅 **Nov 2023 – Dec 2024**

- **Built a real-time chat system** (1:1 and group chat) using **WebSockets**, improving message delivery speed by **50%**.
- **Integrated live post reactions and comments**, ensuring instant updates.
- **Designed a microservices architecture**, enhancing scalability and fault tolerance.

Education

Bachelor's in Software Engineering

📍 Yangzhou University, China | 🗓️ **Sep 2021 – Jul 2025**

- **CGPA** – 3.75/4
- **2nd Place** – 17th Chinese Collegiate Computing Competition (2024)
- **Recipient of Jiangsu Government Scholarship (2024)**

Diploma in Computer Science & Technology

📍 Jashore Polytechnic Institute, Bangladesh | 📅 **Sep 2015 – Jul 2019**

- **CGPA**: 3.37/4
- **Regional Skills Competition Participant (2018)**
- **Final Year Project**: Developed a **School Management System** using **Python & Django**, improving record-keeping efficiency by **50%**.

Languages

- **English** – Intermediate
- **Bengali** – Native
- **Chinese** – Beginner