

Mijanur Molla

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SUMMARY

Software Engineer with 2+ years of experience building scalable Python microservices (Flask) on GCP, AWS, Azure. Skilled in RESTful APIs, Apache Kafka, Docker/Kubernetes, SQL/NoSQL, CI/CD automation.

EDUCATION

- **University of Calcutta** 2020 – 2022
M.Sc. in Computer Science (1st Class) Kolkata, India
- **University of Calcutta** 2017 – 2020
B.Sc. (Hons) in Computer Science (1st Class) Kolkata, India

EXPERIENCE

- **Spica Systems** Oct 2022 – Nov 2024
Software Engineer Kolkata, India
 - Implemented and deployed scalable Python microservices with Kafka; created REST APIs with Flask.
 - Built Python app container with Kafka to manage containers on remote devices.
 - Migrated legacy systems to Docker-based microservice architecture.
 - Deployed apps on GKE/EKS/AKS; managed YAML-based Kubernetes configurations.
 - Implemented CI/CD pipelines using Jenkins and Helm.

PROJECTS

- **AI-Based Learning Platform – poroOsekho** *Personal Project*
 - Interactive platform with 3 modules: Learn, Interview, and Mock Test.
 - Integrated GPT-4.1, Google GenAI, LangGraph, Autogen, LangChain.
 - Searchable PDF QA using SentenceTransformers and ChromaDB.
 - Tech: Flask, Pyodide, JS, Bootstrap, HTML/CSS, CodeMirror.
 - Features: voice I/O, session history, editor, responsive UI.

SKILLS

- **Languages/Frameworks:** Python, Flask, SQL, Shell Script, OpenAI, GenAI, LangGraph, Autogen
- **Cloud:** GCP, AWS, Azure **DevOps:** Docker, Kubernetes, Git, Jenkins, Helm, CI/CD
- **Databases:** MySQL, PostgreSQL, Cassandra, Redis, InfluxDB, ChromaDB
- **Others:** REST APIs, Kafka, WireGuard, Grafana, Linux

CERTIFICATIONS

- Docker and Kubernetes: The complete Guide – Stephen Grider (Udemy)
- LLM Engineering: Master AI, Large Language Models and Agents – Ed Donner (Udemy)
- Crash Course on Python – Google (Coursera)
- Intro to Generative AI – Google Cloud (Coursera)