

MD BAZLUR RAHMAN LIKHON

Senior Cloud and AI Engineer

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Senior AI & Cloud Engineer with 6+ years delivering production-grade LLM, RAG, computer vision, and multi-cloud systems for enterprises across the USA, UK, Japan, China, and Bangladesh. Proven record leading end-to-end AI engineering from concept to deployment with measurable business impact.

PROFESSIONAL EXPERIENCE

Senior Cloud and AI Engineer

04/2025 – Present

Upstra Communications Limited · Dhaka, Bangladesh

- Owns delivery of production RAG platforms, LLM systems, voice assistants, computer vision, and intelligent surveillance end-to-end.
- Architected RAG systems using PostgreSQL+pgvector, Milvus, and ChromaDB with hybrid embedding strategies, optimising cost, latency, and accuracy.
- Designed local, cloud, and hybrid LLM deployments enabling data-residency-compliant, low-latency AI platforms for enterprise clients.
- Partnered with banks and pharma enterprises to deploy AI-driven financial and healthcare solutions, including KYC face-match and document extraction at scale.

Cloud Engineer & AI Project Lead

09/2023 – 03/2025

Kamal-Paterson Ltd & KPCloud · Dhaka, Bangladesh

- Architected multi-cloud infrastructure across AWS, GCP, Azure, and Alibaba Cloud, reducing client infrastructure costs by 40%+.
- Led AI projects including McKrishiSheba (RAG + pgvector, cutting AI token costs 66–83%) and Sleepy Owl Stories (Google Play, delivered in 4 months).
- Built and deployed a 6-product SaaS portfolio (task mgmt, HRM, eCommerce, LMS) on AWS with high availability and SOC 2-aligned security.
- Delivered disaster recovery, security remediation, and cloud migrations for enterprise clients across the USA, UK, Japan, and China.

Cloud Trainer

08/2023 – 11/2023

Inflexionpoint Technologies BD · Dhaka, Bangladesh

- Led hands-on cloud training for 20+ interns on AWS, Azure, Kubernetes, MLOps, and CI/CD—boosting cloud knowledge by 80% on assessments.
- Designed a 12-week curriculum; 90% of trained interns transitioned to live cloud projects within the company.

ML Researcher

06/2020 – 08/2023

DIU NLP & ML Research Lab · Dhaka, Bangladesh

- Published peer-reviewed research on NLP and sentiment analysis, including a study on 2.4M Ukraine-Russia war tweets.
- Built BERT-based models for low-resource Bangla NLP tasks, achieving state-of-the-art benchmark accuracy.

TECHNICAL SKILLS

AI / ML: LLMs, RAG, LangChain, pgvector, Milvus, Computer Vision, PyTorch, TensorFlow, Scikit-learn

Cloud: AWS, Google Cloud, Azure, Oracle Cloud, Alibaba Cloud, Kubernetes, Docker, Terraform

Languages: Python, Node.js, TypeScript, SQL, C++

DevOps & Data: GitHub Actions, CI/CD, BigQuery, PostgreSQL, MySQL, FastAPI, Flask

EDUCATION

MSc Information Systems Security (In Progress)

2025 – Present

Bangladesh University of Professionals (BUP) · Dhaka, Bangladesh

BSc Computer Science & Engineering — GPA 3.62/4.00

2019 – 2023

Daffodil International University · Dhaka, Bangladesh

KEY CERTIFICATIONS (300+ TOTAL)

- Google Cloud Professional ML Engineer
- Google Cloud Associate Cloud Engineer
- Oracle Cloud Infrastructure GenAI Professional
- Google Cloud Professional Data Engineer
- Microsoft Azure AI Engineer Associate (AI-102)
- Intel Edge AI Certification
- Google Cloud Professional Security Operations Engineer
- Microsoft Fabric Data Engineer Associate (DP-700)
- Professional Certificate in Kubernetes & Cloud Native (Linux Foundation)