



# Mohiuddin Ahmed

Senior System Architect | AI Product Builder | Full-Stack Engineer

Senior System Architect & AI Product Leader with 15+ years of experience engineering high-scale, multi-tenant SaaS and RAG-based AI platforms. Expert in bridging the gap between complex distributed systems and business objectives, with a proven track record of delivering production-grade architectures that prioritize data isolation, low-latency performance, and cost-efficient scaling.

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📍 Dhaka, Bangladesh

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## WORK EXPERIENCE

### Sr. System Architect

Tiered Communication Services, Inc

06/2020 - Present

TEXAS, USA

*Achievements/Tasks*

- Architected Utilen, a high-performance multi-tenant AI SaaS, implementing a RAG-based knowledge system with Qdrant and AWS S3 that achieved workspace-level data isolation for enterprise clients.
- Optimized real-time query processing and distributed system architecture, reducing retrieval latency for large-scale datasets while maintaining high availability.
- Spearheaded the development of a social media and video streaming ecosystem across Web, iOS, and Android, managing the full-stack lifecycle using Laravel, React, and React Native.
- Engineered secure simulations for the Heartland Cyber Range, providing critical cybersecurity training infrastructure for the Kansas government.

Contact: Jonathan Adams - +1 512-629-1732

### Adjunct Lecturer

Eastern University, Bangladesh

03/2025 - Present

*Achievements/Tasks*

- Teach software engineering with focus on real-world system design, scalable architecture, and AI-driven applications.
- Mentor students in building production-level projects and applying academic concepts in practical environments.

Contact: Mahfuz Hasan (Chairman of Dept. CSE) - +880 1788-676363

### Sr. Software Engineer & CTO

Of Eleven Media

02/2014 - 01/2020

USA

*Achievements/Tasks*

- Directed the technical roadmap and architectural overhaul of the DataMine SaaS platform, ensuring 99.9% system uptime and continuous feature delivery for data-driven workflows.
- Re-engineered backend services using a polyglot persistence layer (MySQL, MongoDB, Redis), which significantly improved system reliability and database performance during peak loads.

Contact: Larry Genkin - +1301-526-3000

## EDUCATION

### B.Sc. in CSE

Eastern University of Bangladesh

03/2010 - 11/2013

## SKILLS

System Architecture

AI / RAG Systems

Multi-Tenant SaaS

Distributed Systems

Laravel

React

Next.js

Node.js

TypeScript

Qdrant

PostgreSQL

Redis

Docker

AWS

DigitalOcean

## LANGUAGES

Bangla

Native or Bilingual Proficiency

English

Full Professional Proficiency