

Shawon Majid

Software Engineer

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🌐 [linkedin.com/in/shawon-majid/](https://www.linkedin.com/in/shawon-majid/) 🏠 github.com/shawon-majid 📺 My Projects



Software Engineer with expertise in backend systems, AI/ML engineering, and cloud infrastructure (AWS/GCP). Experienced in building production AI systems – from agentic workflows and LLM orchestration to serverless event-driven architectures. Ships AI-augmented products at scale across startups in the USA and Bangladesh.

📁 Professional Experience

Software Engineer, Vyg.ai (Remote)

Feb 2025 – present
USA

- **Conversation Insights:** Engineered an AI-powered conversation insights pipeline processing 2,500+ daily conversations using OpenAI tool calling and structured outputs, delivering actionable brand intelligence
- **laC:** Designed and deployed customer data platform (CDP) infrastructure (Rudderstack and Apache Unomi infrastructure) and workflow infrastructure (n8n) on GCP using Pulumi IaC and Helm for Kubernetes orchestration
- **MCP:** Built an OAuth-protected MCP (Model Context Protocol) server enabling AI assistants to query brand data in real-time, bridging conversational AI with internal business intelligence
- Architected serverless event-driven systems using AWS EventBridge, SQS, API Gateway, and SST framework
- Reduced AI inference costs by 50% by architecting a batch processing pipeline with OpenAI's Batch API & fallback Gemini Batch API

AI Engineer, Indigo (Remote) 🌐

Oct 2025 – Jan 2026
USA

- Built DeepAgents, an intelligent meeting assistant powered by LangGraph, providing teams with on-demand reports and insights from historical meeting data
- Designed agentic chatbot architecture with access to full meeting corpus, enabling natural language querying across organizational knowledge

Intern Data Engineer, Pathao

Aug 2024 – Jan 2025
Dhaka, Bangladesh

- **Address Parser:** Built hierarchical address parsing system that structures unstructured natural language addresses into standardized location data
- Leveraged LLMs to classify and categorize 10,000+ places by type based on usage context and naming patterns
- Developed Go APIs for address quality validation using coordinate matching, GeoJSON boundary checks, and haversine distance calculations

Contract Engineer, Zenet (Remote)

Oct 2024 – Dec 2024
Tokyo, Japan

- Contributing to build an E-learning platform called "Xlabo"
- Translating the website from Japanese to English using i18n library in vue.js

📁 Projects

Re:elify 🌐, Next.js, Remotion, Node.js, MongoDB

- Re:elify is a platform that can turn any text into an engaging reel. **GPT-4 & Dall-E 3** model was used to generate the reel. And the video was composed using **Remotion**.
- **GitHub:** <https://github.com/definecoder/SUST-CSE-Carnival--Reelify> 🌐

Budget AI 🌐, LangChain, LLM, AI, TypeScript

- Track daily expenses and query them using natural language.
- **GitHub:** <https://github.com/definecoder/budgetai>

EcoSync [↗](#), *Next.js, Express.js, Prisma, PostgreSQL, Typescript, Tailwind CSS*

- EcoSync is a complete waste management system for Dhaka City Corporation. We Implemented **RBAC**, **Google MAP API**, **Responsive UI**, Dashboard analytics, Live tracking with **Socket.io**, PDF generation etc in this project.
- **Github:** <https://github.com/definecoder/CS24-p2-define-coders/> [↗](#)

Technical Skills

Cloud & DevOps

AWS (SST, Lambda, SQS, EventBridge, API Gateway, Redshift), GCP, Kubernetes, Helm, Docker, Pulumi

AI/ML

LangGraph, LangChain, OpenAI API, LLM Orchestration, Vector Search, Agentic Workflows

Backend & Data

Node.js, Express, Prisma, Drizzle, PostgreSQL, MongoDB, Redis, Qdrant

Languages

TypeScript, Python, JavaScript, SQL

Frontend

Next.js, React, Tailwind CSS

Education

Shahjalal University of Science & Technology,

B.Sc. in Software Engineering

Feb 2020 – Jul 2025 | Sylhet, Bangladesh

CGPA: **3.90** [↗](#)

Awards

Vivasoft AI Hackathon 2025, Vivasoft Ltd

- **Runner up**
- Developed Marketflick AI [↗](#), an Agentic workflow for market analysis using LangGraph

Code Samurai 2024 [↗](#), Dhaka University

- **Champion**
- One of the biggest hackathon in Bangladesh
- Developed Ecosync [↗](#)

CSE Carnival Hackathon 2024 [↗](#), SUST CSE

- **1st Runners Up**
- Developed Re:elify [↗](#)

DevOps Hackathon 2024 [↗](#),

Poridhi.io & Brainstation 23

- **Finalist**, 3-tier microservice, OpenTelemetry [↗](#)

CSE Carnival Hackathon 2023, Leading University

- **2nd Runners Up**

Problem Solving

Codeforces [↗](#), *Specialist*

- **600+** Problem Solved, Rated **1400+**

StopStalk [↗](#)

- Solved **1000+** problems in various Online Judges

Organizations

Bhai Buddies Social Organization [↗](#), *President*

A charitable organization based in Sylhet

2021 – present
Sylhet, Bangladesh