

Monim Hossain

Lead Software Engineer · Full Stack · AI/ML Integration

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PROFESSIONAL SUMMARY

Lead Software Engineer with 8+ years of experience architecting and delivering scalable full-stack web, mobile, and AI-powered systems. Proven track record of leading cross-functional engineering teams, setting technical direction, and shipping production-grade products across SaaS, logistics, e-learning, and social analytics domains. Proficient in integrating large language models and AI capabilities into live products using MLOps practices, prompt engineering, and AI-native tooling such as Cursor. Comfortable owning the full delivery lifecycle — from infrastructure and CI/CD to client collaboration and team mentorship.

TECHNICAL SKILLS

AI / ML	LLM Integration, MLOps, Prompt Engineering, AI Model Fine-tuning, Cursor IDE, Claude API, OpenAI API, Langchain, Event-Driven AI Apps
Frontend	ReactJS, NextJS, React Native (Expo), Redux Toolkit, Ant Design, Material UI, VueJS, NuxtJS
Backend	Node.js, NestJS, PHP, Laravel, GraphQL, REST APIs, WebSocket, Microservices
Databases	PostgreSQL, MySQL, MongoDB, Firebase, Redis, Supabase, Elasticsearch
DevOps	AWS (EC2, S3), Docker, CI/CD (GitHub Actions, Jenkins, GitLab), DigitalOcean, GCP, Contabo
Observability	Grafana, Graylog, Log Monitoring, Server Health Checks, Postman, JEST
Practices	Agile/Scrum, SOLID, Clean Architecture, MVC, Code Review, Team Leadership, Client Collaboration

PROFESSIONAL EXPERIENCE

Senior Software & Data Engineer (Lead) | **Be Data Solutions** *December 2025 – Present*

- Own end-to-end technical leadership across all active projects — architecture, sprint planning, client delivery, and team direction
- Develop and maintain event-driven, AI-powered applications integrated with LLMs and custom-trained models
- Operate and iterate AI models using MLOps pipelines; fine-tune and evaluate model performance in production
- Set up and maintain CI/CD pipelines; actively monitor server logs, system health, and application observability using Grafana and Graylog
- Lead the DevOps team and enforce infrastructure standards across cloud environments
- Mentor junior and mid-level engineers; conduct code reviews and share knowledge systematically
- Serve as primary point of contact for clients; translate business requirements into technical roadmaps
- Use Cursor (AI-native IDE) as primary development tool for accelerated, high-quality code delivery

Senior Software Engineer | **Brainify Bangladesh** *June 2023 – November 2025*

- Led frontend architecture and full-stack delivery across multiple SaaS products
- Built cross-platform mobile apps with React Native (Expo), including video streaming via Mux
- Developed responsive dashboards with ReactJS & NextJS; integrated Firebase and AWS S3
- Collaborated with backend and DevOps teams on CI/CD, deployment strategies, and agile sprints
- Drove code quality through systematic code reviews and engineering best practices

Full Stack Developer | **Genex Infosys Ltd.** *July 2021 – May 2023*

- Built and scaled ReactJS, NextJS, and React Native applications integrated with Laravel and NestJS backends
- Designed and maintained GraphQL/REST APIs; managed AWS cloud deployments
- Implemented complex UI/UX features using Ant Design, Redux Toolkit, and WebSocket for real-time features
- Contributed to AI-powered omnichannel chatbot platform across WhatsApp, Facebook, and Telegram

Software Engineer | **6sense Technologies** *September 2020 – June 2021*

- Designed and implemented secure backend APIs using NestJS, MySQL, TypeORM, JWT, and OAuth2
- Built ReactJS frontends for internal dashboards and tooling

Software Engineer | **Euro Bangla IT Ltd.** *June 2018 – June 2020*

- Built ERP modules and e-commerce platforms using Laravel and ReactJS
- Developed and maintained MySQL databases; collaborated with cross-functional teams

KEY PROJECTS

Locowise	Social media performance and reporting analytics tool. Led architecture and AI pipeline integration at Be Data Solutions. <i>Laravel · Python · React · GCP · Docker</i>
Send Desk	Shipping and logistics platform for businesses and webshops; built and maintain CI/CD and server monitoring. <i>Laravel · NuxtJS · Redis · Jenkins · Contabo</i>
LIL – Laerer'n I Lomma	Cross-platform mobile SaaS for vocational training with video streaming, tasks, and quizzes. <i>React Native · Expo · Mux · Firebase · PHP · AWS</i>
Digital Classroom	Multi-tenant e-learning platform with customizable classroom environments. <i>NextJS · ReactJS · Redux · PHP · Docker · AWS</i>
Mevrik	AI-powered omnichannel chatbot across WhatsApp, FB, and Telegram. mevrik.com <i>ReactJS · NextJS · Microservices · WebSocket · Laravel · Redis · Django</i>
Office Help	MVP mobile app for employee attendance and leave management. <i>React Native · Firebase · NextJS</i>
ITCAN	JIRA-style task management system with full DevOps pipeline. <i>ReactJS · NestJS · TypeScript · TypeORM · Docker · GitLab CI/CD</i>
Food Delivery App	Multi-vendor food delivery platform for Android and iOS. <i>React Native · NestJS · MongoDB · Elasticsearch</i>
USCraft	E-commerce platform with product customization capabilities. uscraft.com <i>Laravel · FabricJS · MySQL</i>

AI ENGINEERING & TOOLING

- Integrated Claude API and OpenAI APIs into production applications for automation, summarization, and intelligent workflows
- Fine-tuned and deployed AI models using MLOps practices in live production environments at Be Data Solutions
- Built and maintained event-driven AI application pipelines, handling model versioning, monitoring, and iteration
- Primary development environment: Cursor IDE — leveraging AI code generation, inline suggestions, and automated refactoring at scale
- Experienced with prompt engineering, structured outputs, and LLM orchestration for real-world product features

- Actively maintain system health and monitor AI model performance using Grafana dashboards and log aggregation

EDUCATION

B.Sc. in Computer Science & Engineering — East West University, Dhaka | Graduated 2017

INTERESTS

Rock music · Playing guitar · Singing · Traveling