

Mohammad Shawon Morshed Chowdhury

Senior Software Engineer · Team Lead · Chittagong, Bangladesh

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SUMMARY

Led different development teams with 10+ years of shipping production web and mobile applications across **healthcare and consumer platforms**. Currently leading a 10+ person cross-functional team at Embedded Logic Operations — architect, hands-on engineer, hiring manager, and mentor. Hardened delivery to **zero failed production deployments**, adapted **agentic development for ~50% throughput gain** on scoped work, and **progressed a mentee into a Team Lead role**. AWS Certified Solutions Architect.

EXPERIENCE

Embedded Logic Operations (ELO) — Development Team Lead

Oct 2023 – Present · Dhaka, Bangladesh

- **Lead a 10+ person cross-functional team** (includes backend, frontend, designers, QA, and DevOps) shipping ~3 production releases per month on a NestJS / Next.js / GraphQL / MongoDB / Nx monorepo stack; own architecture, sprint planning, hiring, and end-to-end delivery.
- **Overseas employment platform** — cut placement turnaround ~80% vs. the previous paper-based process; reached 300+ registered workers, 20+ partner companies, and 150+ placements. Delivered Android app, customer web, and agency portals. Owned architecture, DB design, RBAC, CI/CD, the custom Bangladeshi passport OCR service, and push notifications. Stack: NestJS, AdminJS, React Native, MongoDB, AWS (EC2, S3).
- **Multi-center wound & therapy clinic** — replaced paper-based records across 3 centers; system now tracks 50+ doctors, 5,000+ patient records, and 400+ wound assessments. Led architecture and hands-on delivery of the hardest workflow — multi-visit wound charts with treatment plans, attachments, and per-section audit history (PatientLog) — plus external billing integration. Security: JWT, RBAC with center-scoping. Stack: Nx monorepo, NestJS (GraphQL), Next.js, MongoDB, AWS(EC2,S3)
- **Delivery hardening** — drove zero failed production deployments since introducing deployment validation gates and documentation standards. Led incident response on a recurring high-RAM production issue (no recurrence since), executed rollback strategies, and resolved dependency conflicts that had destabilized releases.
- **Agentic coding adoption** — raised team throughput on scoped work (refactors, tests, scaffolding, multi-file edits) by ~50% by integrating Cursor with Nx + Git MCP servers and Gemini Code Assist for first-pass PR review. Defined explicit boundaries between AI-delegated work and human-owned tasks (architecture, security, public APIs, and merge decisions).
- **Hiring & mentorship** — conducted 25+ technical interviews and made hire/no-hire calls; grew the team by 3 engineers (2 Frontend, 1 Backend). Mentored mid-level engineers on architecture, NestJS, and code quality — one mentee subsequently progressed into a Team Lead role.

Workspace Infotech Ltd. — Senior Software Engineer

May 2019 – Sep 2023 · Dhaka, Bangladesh

- **Flowcite (research & reference management SaaS)** — contributed to delivery as part of an 8-person team; built CI/CD pipelines, AWS Lambda functions, and CloudFront distribution. Stack: React, Node.js, Python, PostgreSQL.

- Designed and shipped full-stack web applications across Node.js, React, and PHP (Laravel) backends for multiple client engagements.
- Mentored junior engineers via structured code review, pairing, and design reviews; led technical-debt reduction and standardized coding practices across client projects.
- Partnered with Product, QA, and DevOps to scope and ship features against business deadlines.

Valere Enterprise — Software Engineer

Mar 2018 – Apr 2019 · Dhaka, Bangladesh

- Built and maintained full-stack web applications; contributed to architecture and design reviews and diagnosed/resolved production performance and reliability issues.

Workspace Infotech Ltd. — Junior Software Engineer

Oct 2015 – Mar 2018 · Dhaka, Bangladesh

- Shipped features across multiple client web platforms — notably **Brand Binary** (Angular, Node.js, MongoDB, 3-person team) and **Authentic** (Angular, Node Loopback). Progressed from supported tasks to independent feature ownership.

SKILLS

Languages & Frameworks: TypeScript, JavaScript, Node.js, NestJS, Next.js, React, Python (django), PHP (Laravel)

Architecture: Monolithic & Microservices, Nx monorepo, Access Control (ACL & RBAC), Token-Based Authentication (JWT & Custom), RESTful & GraphQL APIs

AI / LLM: Retrieval Augmented Generation (RAG), LLM API integration, Agentic Development, MCP

Cloud & Infrastructure: AWS (EC2, S3, Lambda, CloudFront), Digital Ocean, Microsoft Azure, Linux

Databases: MongoDB, PostgreSQL, MySQL, Firebase

DevOps: GitHub Actions, CI/CD pipelines

CERTIFICATIONS

AWS Certified Solutions Architect – Associate · Amazon Web Services · 2022

EDUCATION

American International University-Bangladesh (AIUB) — BSc in Computer Science and Engineering · 2011 – 2016 · GPA 3.33 / 4.00

Thesis: Confidentiality in Mobile Voting System

Anwarul Abedin Leadership Award (2016)