Hasibul Islam

Senior AI-First Software Engineer | Full-Stack Systems | Production AI | Technical Leadership
devhasibulislam@gmail.com | linkedin.com/in/devhasibulislam | github.com/devhasibulislam
+8801906315901 | devhasibulislam.vercel.app | Dhaka, Bangladesh

Professional Summary

Senior full-stack engineer and technical lead with 7+ years of experience building and shipping SaaS products across real estate, PropTech, CRM, messaging automation, e-commerce, and digital platforms. Experienced in end-to-end system ownership spanning architecture, data modeling, APIs, frontend integration, asynchronous processing, security, deployment, and production operations. Integrates LLMs, RAG pipelines, vector search, and AI-powered automation into software products. Applies AI-assisted engineering across architecture planning, system design, implementation, debugging, testing, and documentation using ChatGPT, Claude, Codex, Claude Code, Cursor, GitHub Copilot, MCP, Skills, hooks, and agentic workflows. Leads teams through task delegation, implementation guidance, code review, and stakeholder communication. Delivered a documented 10x reduction in API p95 latency, from approximately 200 ms to 20 ms, and built systems serving real business workflows.

Technical Skills

- **Languages:** TypeScript, JavaScript (ES6+), Python, SQL
- **Frontend:** React.js, Next.js, Redux Toolkit, RTK Query, Tailwind CSS, Material UI, shadcn/ui, GSAP, API Integration, Debugging, Testing, Next.js Server Actions
- **Backend & Architecture:** Node.js, NestJS, Express.js, REST APIs, GraphQL, Apollo Federation, WebSockets, Socket.io, Microservices, CQRS, Event-Driven Architecture, System Design
- **AI & LLM Engineering:** OpenAI, Anthropic Claude, DeepSeek, LangChain, RAG, Vector Embeddings, Semantic Search, Function Calling, AI-Powered Automation
- **AI-Assisted Development:** ChatGPT, Claude, Claude Code, OpenAI Codex, Cursor, GitHub Copilot, Devin/Windsurf, AI-Assisted Planning, Code Generation, Debugging, Refactoring, Testing, Code Review, Documentation
- **Agentic Engineering & Context:** MCP Servers, Agent Skills, Hooks, Iterative Agent Workflows, Graphify, Obsidian, Codebase Knowledge Graphs, Context Management
- **Databases:** PostgreSQL, pgvector, MongoDB, MySQL, SQLite, Redis, Prisma, TypeORM, Mongoose, Data Modeling, Query Optimization, PostgreSQL Row-Level Security
- **Messaging & Distributed Systems:** Apache Kafka, RabbitMQ, BullMQ, Redis Pub/Sub, Background Workers, Scheduled Jobs, Idempotency, Retries, Dead-Letter Queues
- **Cloud & DevOps:** AWS EC2, S3, Lambda, Docker, GitHub Actions, CI/CD, Nginx, Cloudflare, Staging and Production Deployments, Observability
- **Testing & Performance:** Jest, Supertest, autocannon, k6, Postman, API Performance Testing, Integration Testing, Performance Optimization
- **Security & Integrations:** JWT, OAuth, RBAC, GDPR/CCPA Controls, Stripe, SSLCommerz, Twilio, WhatsApp Business/Cloud API, Meta Graph API, Shopify, WooCommerce, Calendly
- **Leadership & Delivery:** Technical Planning, Architecture Reviews, Task Delegation, Code Reviews, Mentoring, Stakeholder Communication, Risk Identification, Delivery Coordination

Professional Experience

ZMC Technologies Ltd. - Banani, Dhaka (On-Site) | Website
Sr. Backend Architect | March 2026 - October 2026

Sr. Software Engineer (Backend) | September 2025 - March 2026

- ➔ Own backend architecture and technical delivery across a three-product SaaS portfolio covering real estate ERP, property CRM, and a PropTech trading platform.
- ➔ Reduced a high-traffic list API's p95 latency from approximately 200 ms to 20 ms, a 90% reduction, using compound indexing, query rewrites, Redis cache-aside, and DTO projection.
- ➔ Published a reproducible API performance case study with autocannon benchmarks and CI validation: https://github.com/devhasibulislam/api-latency-case-study
- ➔ Implemented PostgreSQL Row-Level Security to enforce multi-tenant data isolation at the database layer, supported by integration tests designed to detect cross-tenant data exposure.
- ➔ Integrated OpenAI and Anthropic Claude into pgvector-backed semantic search using retrieval-augmented generation (RAG).
- ➔ Architected NestJS microservices with Kafka and RabbitMQ and introduced BullMQ for asynchronous processing with per-tenant queue isolation.
- ➔ Own staging and production deployment workflows using Docker, GitHub Actions CI/CD, and application-to-infrastructure observability.
- ➔ Delivered Webcrawler Buzz, a public SEO auditing tool for internal client scoping and external users: https://webcrawler.buzz
- ➔ Built internal tools for workflows including lead-generation web scraping, support-ticket management, blog publishing, resume processing, and file processing.
- ➔ Partner with executive leadership on architecture decisions and technical scoping for prospective client engagements.
- ➔ Promoted to Senior Backend Architect after six months based on architectural ownership and delivery.

Zubion Group - Dhanmondi, Dhaka (Hybrid | Contract) | Website

Full-Stack Delivery Lead | September 2024 - July 2025

- ➔ Led end-to-end delivery of a client product ecosystem spanning a marketing website, CRM, and cross-platform mobile application.
- ➔ Owned backend architecture, deployment, and CI/CD while coordinating frontend and mobile contributors using a stack including Next.js, NestJS, Apollo GraphQL, and Prisma.
- ➔ Designed and delivered a CRM that became the primary Facebook lead-management system across the client's properties, routing inbound Meta leads into a centralized workflow.
- ➔ Built centralized email, SMS, and chat workflows with real-time synchronization and automated agent notifications.
- ➔ Deployed applications on AWS with Docker and integrated SSLCommerz payments and broker-performance analytics dashboards.
- ➔ Coordinated implementation, reviewed technical work, and aligned delivery with client requirements and product priorities.

WeWise & WiseLead - Tel Aviv, Israel (Remote) | Website

Backend Lead | April 2024 – September 2025

- ➔ Led backend development for a WhatsApp marketing and lead-automation CRM using Node.js, Express.js, MongoDB, Twilio, Redis, and S3.
- ➔ Delivered bulk and scheduled messaging, media messaging, audience segmentation, multi-account management, and CSV import/export workflows.
- ➔ Implemented JWT authentication, RBAC, real-time delivery tracking with Socket.io, and scheduled campaign execution.
- ➔ Supported product validation with more than 90 pilot businesses during development.
- ➔ Coordinated backend architecture with frontend contributors with React, Redux, and Material UI.

- ➔ Enforced WhatsApp API rate-limit compliance through per-account throttling and exponential-backoff handling.
- ➔ Product-reported outcomes included 26+ hours per month saved on unqualified-lead calls and an approximately 28% improvement in lead follow-up conversion.
- ➔ Supported product validation with 90+ pilot businesses during development of a WhatsApp marketing and lead-automation CRM.
- ➔ Product-reported outcomes included 26+ hours saved per month on unqualified-lead calls and approximately 28% higher lead follow-up conversion.

MessageMind - Via Durazzo, Italy (Remote) | Website
Sr. Backend Engineer | March 2023 – February 2024

- ➔ Built backend services for a unified messaging platform covering WhatsApp, Messenger, Instagram, and web chat using NestJS, PostgreSQL, Prisma, Redis, Next.js, and Stripe.
- ➔ Developed asynchronous messaging workflows with queue processing, retries, and dead-letter handling to improve resilience during downstream outages.
- ➔ Integrated OpenAI and DeepSeek for AI-driven auto-replies and workflow automation.
- ➔ Integrated Shopify, WooCommerce, Calendly, meeting platforms, and shipping APIs into messaging-related workflows.
- ➔ Implemented end-to-end encryption, RBAC, and GDPR/CCPA controls.
- ➔ Contributed to a platform reported to serve more than 5,000 companies.

Prokken Inc. - Dhaka, Bangladesh (Remote)
Founder & Principal Engineer | June 2021 – October 2025

- ➔ Founded and operated a software development agency delivering full-stack SaaS products and engineering services for international clients.
- ➔ Owned technical architecture, backend implementation, deployment, and delivery coordination across frontend, mobile, and QA contributors.
- ➔ Led a four-person team through task delegation, implementation guidance, code reviews, technical problem-solving, and delivery coordination.
- ➔ Designed and independently engineered two SaaS products under NDA: a unified social-media publishing and analytics API, and a multi-channel sales and messaging inbox with CRM workflows.
- ➔ Both products were acquired by US SaaS companies in 2025; product names, acquirer identities, and transaction details remain confidential under NDA.
- ➔ Delivered client engagements spanning messaging automation, real-estate operations, e-commerce, and digital content platforms.
- ➔ Continued remote agency and client work alongside other professional engagements to maintain continuity of client delivery and business operations.

Education

M.Sc. Computer Science, Jahangirnagar University, Dhaka | 2025

Languages

Bengali: Native | English: Full professional proficiency | Hindi: Professional working proficiency | Hebrew: Basic conversational proficiency | Arabic: Basic conversational proficiency

Additional Information

- ➔ Available to overlap 4–6 hours with US Eastern Time.
- ➔ Experienced in remote collaboration with international teams.
- ➔ Public engineering case studies and selected projects available through GitHub and portfolio.