

ATIK MAHBUB

Full-Stack Engineer • React & Next.js • AI Agent Development • Web3

atikmahbub100@gmail.com — +880 1689-127737 — Bogura, Bangladesh — Open to full-time / freelance

[Portfolio](#) — [GitHub](#) — [LinkedIn](#)

CAREER SUMMARY

Full-stack engineer with 6+ years building scalable web platforms, AI agent systems, and Web3-integrated products. Shipped 20+ production applications across fintech, healthcare, and blockchain for global remote teams. Currently architecting LLM-driven agentic workflows with RAG pipelines alongside blockchain infrastructure. Published IEEE researcher (ICASERT 2019). Trusted by CTOs and founders to lead end-to-end product delivery with zero rollback.

WORK EXPERIENCE

Uxly Software

Nov 2024 – Present

Senior Product Engineer • Remote • USA

- Leading front-end architecture for 1Shot API — a blockchain + AI automation platform — integrating OpenAI for intelligent contract workflow generation.
- Re-architected rendering pipelines for complex on-chain data visualizations, cutting load times by 40% for 100k+ daily queries.
- Built a recursive ABI parsing UI (Prompt Builder) enabling dynamic EVM contract function mapping, saving protocol teams 30+ hours per week.
- Integrated telemetry and automated QA pipelines, reducing bug regression rate by 30% and saving 20+ dev hours weekly.
- Integrated RainbowKit with multi-chain support (ETH, BSC, Sepolia) and on-chain approval workflows, expanding platform reach across major EVM networks.

Snickerdoodle Labs

Aug 2022 – Oct 2024

Senior Software Engineer • Remote • USA

- Built decentralized data dashboards and analytics tools (React, Next.js, Solidity) enabling users to own and monetize personal on-chain data.
- Engineered resilient wallet-based authentication flows handling 50k+ daily on-chain queries with consistent reliability.
- Eliminated tech debt by building a robust reusable component system, accelerating team development velocity by 2x.
- Collaborated directly with the CTO on system architecture and led front-end delivery across enterprise client deployments.

Hypernet Labs

Feb 2022 – Jun 2022

Software Engineer • Remote • USA

- Designed secure RESTful APIs and real-time WebSocket services in Node.js for a distributed computing platform serving thousands of concurrent node operators.
- Enforced strict TypeScript contracts across the entire API surface, eliminating data shape bugs before deployment and reducing production errors to zero.
- Delivered mobile-responsive React UIs for a Web3 commerce product under aggressive go-to-market timelines.

Smart Retina

Nov 2019 – Jan 2021

Software Engineer • On-Site • Dhaka

- Engineered scalable Django REST APIs and React UIs for an AI-driven eye-care platform, reducing clinical review time by 60% across multiple pilot hospitals.
- Designed intuitive UI states for AI diagnostic predictions, driving clinical adoption and securing full medical data compliance.

SKILLS

Languages: JavaScript, TypeScript, Python, SQL, C, C++

Frontend & Mobile: React, Next.js, React Native, MUI, Tailwind CSS, Framer Motion

Backend: Node.js, Express, Django REST, Prisma, REST APIs, WebSockets

AI & Agents: OpenAI SDK, LLM orchestration, RAG pipelines, vector databases, agentic workflows

Web3: Ethers.js, RainbowKit, WalletConnect, Solidity, ERC-20 token flows, tRPC

DevOps & Tools: Docker, CI/CD, Netlify, Heroku, Azure, Google Cloud, Postman, Git

Other: System Design, Micro-frontends, Observability & Telemetry, Technical Mentorship

PROJECTS

Istanbul Medic · Next.js 15 · OpenAI SDK · RAG · Vector DB · Tailwind · Multilingual

Shipped a full medical tourism platform for hair restoration in Istanbul, powered by an AI agent (Leila) that handles 24/7 multilingual patient support across 5 languages. RAG pipelines over medical knowledge bases deflect routine inquiries, freeing staff for high-value consultations. Platform serves 500+ verified patient cases with 98% satisfaction, partnered with JCI-accredited Liv Hospital.

<https://istanbulmedic.com>

Thinkly · Next.js · OpenAI SDK · RAG · Vector DB · TypeScript · Tailwind

AI coaching platform for engineers to practice system design thinking and architectural decision-making. Features a production-grade RAG engine over user-uploaded documents (PDF, DOCX, Markdown), scored practice sessions across Clarity, Depth, Structure, and Trade-offs, and a Decision Mode that surfaces hidden trade-offs and challenges assumptions. Built as a deliberate practice environment — not a chatbot.

<https://thinkly-v1.vercel.app>

1Shot Prompt Builder ★ Featured · React · Next.js · Solidity · Ethers.js · tRPC · OpenAI · TypeScript

Built a recursive ABI parsing UI that templativizes complex EVM contract workflows into reusable, AI-assisted building blocks. Reclaimed 30+ developer hours per week per protocol team by eliminating manual smart contract orchestration.

<https://1shotapi.com>

Scalar · React Native · TypeScript · Node.js · Google Auth · Docker

Personal finance mobile app with expense/income tracking, loan management, timeline-based analytics, and a smooth dark-mode interface. Published on Google Play with 99.9% uptime and sub-50ms query times under real daily usage.

<https://play.google.com/store/apps/details?id=com.atik.aether>

Smart Retina · React · Django REST · Redux · Docker · Azure

AI-powered diabetic retinopathy detection tool built with ophthalmologists. Reduced clinical review time by 60%, serving thousands of AI-driven inferences with strict medical data security.

Glu · React · Node.js · TypeScript · Docker

Centralized communication platform connecting schools, teachers, and students. Processed 100k+ weekly events reliably across 20+ school districts, measurably improving parent-teacher alignment.

EDUCATION

B.Sc. in Computer Science and Engineering

East West University · Graduation: May 2019 · CGPA: 3.03 / 4.00

PUBLICATIONS

Improved Piecewise Constant Approximation Method for Compressing Data Streams

IEEE ICASERT 2019 · Proposed a hybrid compression model reducing RMSE by 10–25%, outperforming PCA across multiple benchmark datasets.

ADDITIONAL

Languages: English (Professional), Bengali (Native)

Testimonial: "Hardworking, communicative, and I could always trust his work." — Lucas Novak, CTO & Founder

Interests: Clean UI/UX, automation tooling, developer productivity, aquascaping