ATIK MAHBUB

Full-Stack Engineer | React • Node.js • Modern Web Development

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CAREER SUMMARY:

Full-stack engineer with 5+ years of experience building scalable web applications, Web3 platforms, and emerging AI-agent workflows. Skilled in React, Next.js, and Node.js with a strong track record of leading end-to-end product development, optimizing performance, and delivering production-ready solutions for startups and global teams. Passionate about bridging modern web technologies with blockchain and AI to create impactful developer experiences.

WORK EXPERIENCE:

Uxly Software

Software Engineer | November, 2024 - Present | Remote (USA)
- Leading the front-end architecture for 1Shot API, a blockchain + AI platform.
- Built Prompt Builder, a recursive ABI parsing UI that allows dynamic contract function mapping and wallet interactions.
- Integrated RainbowKit, multi-chain support (ETH, BSC, Sepolia), and on-chain approval workflows.
- Refactored major modules into hooks and service layers, significantly improving developer experience and maintainability.

Snickerdoodle Labs

Software Engineer | August, 2022 - October, 2024 | Remote (USA)
- Developed decentralized data tools and dashboards using React, Next.js, and Solidity.
- Contributed to Web3 identity infrastructure and analytics products.
- Collaborated directly with the CTO on architecture decisions and enterprise deployments.

Hypernet Labs

Software Engineer | February, 2022 - September, 2022 | Remote (USA)
- Implemented secure RESTful APIs and WebSocket communication for distributed computing systems.
- Built optimized React interfaces for Web3 commerce with mobile-responsive UX.

Smart Retina

Software Engineer | October, 2019 - December, 2021 | On-Site (Dhaka)
- Developed decentralized data tools and dashboards using React, Next.js, and Solidity.
- Contributed to Web3 identity infrastructure and analytics products.
- Collaborated directly with the CTO on architecture decisions and enterprise deployments.

SKILLS:

- **Languages:** JavaScript, TypeScript, Python, SQL, C, C++
- **Frontend:** React, Next.js, MUI, Tailwind CSS, Framer Motion
- **Backend:** Node.js, Express, Prisma, REST APIs
- **Web3 Integrations:** ethers.js, RainbowKit, WalletConnect, ERC-20 token flows
- **DevOps & Tools:** Docker, Netlify, Heroku, Azure, Postman, Git
- **Other:** Algorithms & Data Structures, System Design, Agentic AI Workflows

PROJECTS

Smart Retina

Developed an AI-based diabetic retinopathy detection tool, collaborating with healthcare professionals to refine the algorithm.

Sensor Data Compression

Enhanced a data compression technique using Python, achieving a 15% increase in efficiency

GLU

Created a web app for improved communication between schools, teachers, and students, leading to a 30% increase in user satisfaction

CyberDdos

Built a domain protection service against cyber-attacks, contributing to a reduction in downtime for clients.

ACHIEVEMNETS & AWARDS

- 📄 Published IEEE conference paper on improved data stream compression (ICASERT 2019)
- 🧠 Architected recursive ABI parsing feature for 1Shot API platform
- 🌐 Delivered multiple full-stack features under tight deadlines with zero rollback
- 🤖 Contributed to early agentic AI workflow integrations, bridging on-chain and off-chain systems to enhance developer experience

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% and outperforming PCA.

ADDIOTIONAL INFO

Languages: English, Bengali
Interests: Clean UI/UX, automation tools, developer productivity, aquascaping