Md Moksedul Hoque

Principle Software Engineer (13+ years)
Next js, TypeScript, Node js, Blockchain (Full Stack)

PROFESSIONAL SUMMARY

Senior Full-Stack Engineer and Tech Lead with 13+ years of experience building, scaling, and maintaining production-grade web and backend systems. Strong expertise in React, Node.js, system design, and transaction-heavy architectures, with a proven ability to own complex systems end-to-end.

Experienced in leading engineering efforts, making architectural decisions, and working closely with product and business stakeholders. Comfortable operating as a senior individual contributor or tech lead in fast-moving, high-impact teams.

EXPERIENCE

Cosmos Tech Labs LTD, Dhaka, Bangladesh
Principle Software Engineer
Lead 4 engineering team(Global, approx 20 Engineers)
For a Phoenix based startup as Offshore development partner
Duration: 3+ years (present)

Rakuten, Japan, (Remote, Contract)
Teach Lead (Front end)
Duration: 9 months

BJIT LTD, Dhaka, Bangladesh

React, Typescript, Node.js Developer
Technical project manager
Teach Lead (Full stack)
Lead an Engineering team of size 13 Engineers

Duration: 4+ years

LoloByte, Dhaka, Bangladesh

Senior Software Engineer (Full stack)

Duration: 4 years

Dhaka, Bangladesh
+88 01723568488
uzzol.sse@gmail.com

SKILLS

JavaScript
TypeScript
React js
Next js
Web3
Node js
Express js
MongoDB
Firebase
Playwright
Vue js
Nuxt js

AWS
API
HTML 5
CSS3

EDUCATION

University of Information Technology and Sciences

BSc in EEE

December 2012

Dhaka, Bangladesh

CORE TECHNICAL SKILLS

Frontend Engineering

- React, Next.js
- Modern JavaScript (ES6+)
- Component architecture & state management
- Performance optimization
- Web3 frontend integrations
- Wagmi and wallet-based UX flows

Backend Engineering

- Node.js (expert)
- REST API design
- Service-oriented & modular architectures
- Transactional systems & data integrity
- Background jobs & async processing
- Authentication, authorization & access control

System Design & Architecture

- Scalable SaaS architecture
- Microservices & well-structured monoliths
- Event-driven system design
- Service boundary definition
- Data modeling for financial & asset-based systems
- Designing for future scale without over-engineering

Blockchain / Web3

- Ethereum & EVM-compatible chains
- Wallet architecture (custodial & non-custodial)
- Transaction lifecycle & gas mechanics
- ERC-20 token systems
- NFT standards & transfers (EVM & Solana)
- Blockchain event listening & indexing
- DAO-related backend systems

Engineering Practices

- Production debugging & performance tuning

- Code reviews & architectural reviews

- Writing maintainable, long-lived codebases

- CI/CD awareness

- Designing systems ready for queue-based scaling (Kafka/NATS)

SELECTED PLATFORMS & DOMAINS WORKED ON

- **Financial & Web3 platforms** involving transactions, wallets, tokens, and on-chain data

- **Creator & fan engagement platforms** (e.g., Fanverse-style systems)

- **Asset & transaction monitoring systems** with decoupled event processing

- **SaaS APIs** with free and paid access tiers

- **Blockchain data services** for transaction status, token transfers, and NFT activity

PROFESSIONAL EXPERIENCE

Principle Software Engineer / Staff / Lead

Full-Stack, Backend & System Architecture

- Led the design and hands-on implementation of **production-grade web and backend systems** used by real users at scale.

- Designed scalable **backend architectures** handling high-volume transactions, asset management, and real-time events.

- Built and maintained **RESTful APIs** with strong emphasis on security, performance, and data consistency.

- Owned system design decisions including service boundaries, data models, and long-term scalability strategies.

- Contributed heavily to frontend development using **React and Next.js**, ensuring clean architecture and performant UI.

- Acted as technical lead for multiple initiatives, guiding implementation and maintaining code quality.

- Collaborated closely with product, business, and non-technical stakeholders to translate requirements into reliable systems.