

Mahendra Zulqarnaen

Software Engineer

📍 Batam, Indonesia ✉ mahendrazulqarnaen@gmail.com ☎ +628980022357 🔗 LinkedIn

🐙 GitHub 🔗 portfolio

Profile

Software Engineer with 4 years of experience building full-stack applications, backend services, APIs, and scalable software systems. Experienced in developing production-oriented applications across frontend, backend, database, authentication, and infrastructure layers.

Proficient in TypeScript, JavaScript, React, Next.js, Node.js, and modern web development ecosystems.

Experienced in designing APIs, implementing authentication and authorization systems, integrating databases and external services, writing automated tests, and building maintainable application architectures.

Strong background in blockchain and Web3 development, including smart contracts, wallet infrastructure, digital identity, and blockchain integrations. Experienced working across distributed teams to develop, test, deploy, and maintain software from concept to production.

Focused on building reliable, scalable, and user-oriented software while continuously improving code quality, system architecture, performance, and developer experience.

Education

Mechanical Engineer, Brawijaya University 

2022

Malang, Indonesia

Work Experience

Fullstack Blockchain Engineer, Upbond 

2023 – 2026

Tokyo, Japan

- Developed and maintained a decentralized wallet platform with a focus on digital identity, blockchain security, and user authentication.
- Collaborated with cross-functional teams to design and improve wallet features, ensuring secure, reliable, and user-friendly experiences.
- Implemented blockchain-based identity solutions to enable secure access and ownership of user information.
- Integrated Web3 technologies and optimized blockchain interactions to improve transaction efficiency and overall application performance.
- Contributed to the development of scalable decentralized solutions by working across frontend, backend, and blockchain components.

Smart Contract and Web3 Integration Engineer, Qubic Ball

2023

Indonesia, Medan

- Responsibility to handle development from writing, testing, and deployment of Smart Contracts.
- Collaborated closely with Frontend and Backend developers for seamless integration of Smart Contracts in web2 environments.

- Conducted extensive research on blockchain Layer 2 solutions, optimizing gas usage and speed.
- Ensured Smart Contracts were optimized for efficiency, security, and functionality through rigorous testing and analysis.
- Managing version control using GitHub and deploying code to servers using GIT.

Blockchain Fullstack Developer, *Nighatech*

2022 – 2023

India

- Responsibility to handle the blockchain development, from conceptualization to deployment.
- Collaborated closely with frontend/backend blockchain developers and mobile app developers to achieve seamless integration.
- Proficient in utilizing GitHub for version control and pushing code to servers using GIT.



Skills

Solidity | Javascript | TypeScript | Github | Node.js | Ethers.js | Hardhat | React.js |
Mongo db | AWS | Playwright | Slither | n8n



Certificates

learnweb3 DAO: Senior Graduation [🔗](#)

Ethereum and Solidity: The Complete Developer's Guide [🔗](#)

The Complete Full-Stack Web Development Bootcamp [🔗](#)