

Mahsa Karimi

Fullstack Web3 Developer

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Professional Summary

Web3 developer with 6+ years of experience building scalable decentralized applications and high-performance frontend interfaces. Proven track record designing and deploying Solidity smart contracts on EVM-compatible networks (Polygon), and seamlessly integrating them with frontend architectures using Ethers.js, Web3.js, and viem. Expert in leading end-to-end blockchain product lifecycles — from immutable on-chain logic to intuitive, secure user experiences. Experienced in modern web technologies including React.js, Next.js, and TypeScript, with a focus on transparency, gas optimization, and multi-party secure collaboration.

Professional Experience

Frontend Web3 Developer, Dotone_channel Jul 2026 – Present
Tehran Province, Iran · On-site

- Core team member building the frontend infrastructure for our own Layer-1/EVM-compatible blockchain — working directly with protocol and node engineers to ship product on top of an actively evolving chain.
- Building the token swap dApp: real-time quote fetching, slippage and gas estimation, multi-hop routing UI, and wallet-signed transaction flows using viem.
- Developing the cross-chain bridge interface — deposit/withdraw flows, transaction status tracking across source and destination chains, and handling pending/failed bridge states gracefully.
- Building the chain explorer frontend: block and transaction listing, address pages, live search, and real-time updates via RPC/WebSocket subscriptions.
- Integrating directly with chain RPC nodes and custom indexer APIs using viem, decoding raw contract calls and events for a readable, human-facing UI.
- Establishing frontend architecture and component patterns from scratch alongside a growing core team, given the early stage of the product.

Blockchain Developer, MarisChain Dec 2025 – May 2026
Remote

- Designed and developed robust Solidity smart contracts on Polygon for maritime fuel supply chain traceability.
- Built end-to-end blockchain workflows enabling secure, transparent tracking of fuel lifecycle logs (FLL).
- Implemented complex Web3 frontend integrations for seamless smart contract interaction via Ethers.js.
- Developed marketplace features with granular access control for multi-party collaboration.
- Collaborated with technical teams to optimize gas usage, perform on-chain debugging, and ensure IMO / EU ETS compliance.

Full-stack Web3 Developer (Remote), Dorium Esports Oct 2024 – Dec 2025
Frankfurt

- Led a frontend team of 2 building real-time blockchain dashboards and a marketplace with Next.js (App Router), supporting thousands of concurrent users at 99% uptime.
- Designed secure wallet connections and on-chain interactions on Polygon, cutting transaction confirmation latency by 60%.
- Optimized frontend performance with React Query, Server Components, and code splitting — 45% faster initial load.
- Partnered with a Smart Contract Developer on ABI design, events, and upgrade-safe integration patterns.
- Supported fractional ownership mechanics via ERC-1155: minting, transfers, and ownership tracking for marketplace assets.

- Delivered tokenomics-driven contribution/reward mechanics and DePIN-oriented business logic end to end.

Full-stack Web3 Developer, ParsJahd Green Technologies Jul 2023 – Mar 2024
Tehran, Iran

- Architected a decentralized professional networking platform handling 1,000+ monthly active users.
- Built frontend blockchain integration for user-owned data and multi-signature transactions — 90% transaction success rate.

React Developer, UniBist Jul 2022 – Apr 2023
Tehran, Iran

- Launched a responsive e-learning platform with course marketplace, driving 85% course completion among 2,000+ learners.

React Developer (Remote), Swipte Feb 2022 – Aug 2022
California, United States

- Built a high-performance admin panel and customer site for a food-ordering platform serving 3,000+ venues, cutting page load time by 40%.

React Native Developer, Afarinesh Aug 2020 – Feb 2022
Tehran, Iran

- Developed the Behkhaan and Jaroob mobile apps, achieving 2,000+ combined downloads at a 3.6 average rating.

Education

Master of Artificial Intelligence, University of Kashan – Kashan, Iran Sep 2023 – Present

Bachelor of Computer Engineering, Shahid Beheshti University – Tehran, Iran Sep 2018 – Jan 2023

Publications & Achievements

- **GraphWriter+: Enhancing Abstract Generation from Knowledge Graphs Using Title Clustering** (Feb 2025) – Presented at 6th NIC, Tehran.
- Winner of Mantle Prize in ETHOnline Hackathon.
- Quera Blockchain Bootcamp Certificate (Solidity & Cryptocurrencies).
- Ranked in top 10% in Iranian National University Entrance Exam.

Skills

Blockchain/Web3: Solidity, Smart Contract Development, EVM, Polygon, viem, Ethers.js, Web3.js, Wallet Integration (Metamask, Gnosis Safe), On-chain Interaction.

Frontend: React.js, Next.js (App/Pages Router), TypeScript, JavaScript (ES6+), Redux Toolkit, Context API, Tailwind CSS, React Query, Performance Optimization.

Web3 Integration: Ceramic Network, ComposeDB, GraphQL, Gnosis Safe, Wallet Connection, ERC-1155, ABI Design.

Other: Git/GitHub, RESTful API, JWT Authentication, Clean Code, Component-Based Architecture, Agile.

Languages

- English (IELTS 6.5) – Advanced
- Persian – Native
- French – Intermediate