Dina Mahmoud Ahmed – Blockchain Engineer

📍 Cairo, Egypt

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Professional Summary

Results-driven **Blockchain Engineer** with hands-on experience in Web3 application development, smart contract engineering, and backend API integration. Proven success in leading and contributing to decentralized platforms including **StartFi**, a multi-chain launchpad and NFT marketplace, and **Squdira**, a Web3 gaming prototype. Strong skills in Solidity, smart contract security, wallet authentication, and decentralized architectures. Adept at delivering secure, optimized solutions while collaborating with cross-functional teams in fast-paced environments.

Core Skills

- **Blockchain & Smart Contracts:** Solidity, Hardhat, OpenZeppelin, Ethers.js, Web3.js
- **Languages & Frameworks:** JavaScript, Node.js, Express, React.js, Tailwind CSS
- **Authentication & APIs:** MetaMask, JWT, REST APIs, Role-Based Access Control
- **Security & Testing:** Slither, Reentrancy Protection, Postman, Mocha/Chai
- **Infrastructure:** MongoDB, Git/GitHub, WebSockets, IPFS, .env Practices
- **Deployment:** Local/Testnet Deployments, Cross-Chain Compatibility (EVM chains)

Key Projects

StartFi – Multi-Chain Launchpad & NFT Marketplace

Blockchain Engineer | Remote / Cairo, Egypt | 2023–2024

- Contributed to **StartFi**, a live multi-chain Web3 platform facilitating IDOs, INOs, and NFT trading across Ethereum, BSC, and Polygon.
- Developed and audited **Solidity smart contracts** for token launches, NFT minting, staking pools, and vesting schedules.
- Designed updated **tokenomics**: semi-annual burns, flexible staking, and Free-IDO distribution to STFI holders.

- Built and secured **Node.js APIs** for token claiming, KYC workflows, and user dashboards.
- Implemented wallet-based login and chain integrations using **MetaMask** and **ethers.js**.
- Performed smart contract audits using **Slither** and secured contracts with OpenZeppelin libraries.

> Live: startfi.io

Squdira – Decentralized Web3 Gaming Platform (Prototype)

Blockchain Developer | Cairo, Egypt | 2024–Present

- Initiated development of **Squdira**, a full-stack dApp for Web3 tournaments and NFT staking.
- Successfully implemented **MetaMask wallet connection** with account detection and onboarding logic.
- Drafted smart contract architecture for ERC-20 reward tokens, tournament logic, and NFT marketplace (in progress).
- Defined backend system using **Node.js** for secure user sessions, token refresh, and API protection.
- Focused on **gas optimization**, **access control**, and modular smart contract structure.

> Status: Wallet login live; contracts and APIs in progress

Education

B.Sc. in Engineering – Computer and Automatic Control
Faculty of Engineering, Tanta University, Egypt
Graduated: 2006

Languages

- **Arabic:** Native
- **English:** Fluent