Ibrahim Abdulkarim

Software Engineer Intern | Web3 Developer & DeFi Enthusiast

Contact Information

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- 🌐 GitHub | Twitter | Telegram

Professional Summary

Passionate Software Engineer with extensive experience in TypeScript, Node.js, and React development. Proven track record in building decentralized finance (DeFi) applications and contributing to the Ethereum ecosystem. Strong problem-solving and debugging skills with hands-on experience in Web3 libraries, smart contract integration, and protocol development. Active hackathon participant with a deep understanding of liquidity protocols and DeFi mechanics.

Technical Skills

- **Programming Languages**: TypeScript, JavaScript, Solidity, Node.js
- **Frontend Frameworks**: React, Next.js, HTML5, CSS3
- **Web3 Libraries**: Web3.js, Ethers.js, Wagmi, Viem
- **Blockchain Protocols**: Ethereum, Aave Protocol, Celo, DeFi Protocols
- **Testing**: Unit Testing, Integration Testing, Jest, Mocha, Chai
- **Development Tools**: Git, GitHub, Hardhat, Truffle, Foundry
- **Documentation**: Technical Writing, API Documentation, Developer Guides
- **Collaboration**: Agile Development, Code Reviews, Sprint Planning

Core Projects

🎓 ArbiLearn - DeFi Education Platform

TypeScript, React, Node.js, Web3.js

- Lead developer of a decentralized learning platform focused on DeFi education and accessibility
- Implemented smart contract integration using TypeScript and Web3 libraries
- Built comprehensive unit and integration tests ensuring service quality and stability
- Created detailed documentation for API endpoints and frontend components
- Live Demo | GitHub

🎉 Festify - On-chain Protocol Integration

React, TypeScript, Ethers.js, Celo

- Developed decentralized application with seamless blockchain protocol integration
- Implemented robust error handling and debugging mechanisms
- Created comprehensive test suites for smart contract interactions
- Live Demo | GitHub

🎵 **Rijista - Liquidity & Asset Management**

Node.js, React, Solidity, Web3.js

- Built blockchain-based solution for digital asset management and protection
- Implemented liquidity management features similar to DeFi protocols
- Developed comprehensive documentation for API integration
- [Live Demo](#) | [GitHub](#)

Open Source Contributions & Collaboration

BuidlGuidl Batch 13 - Active Contributor

- Collaborated with cross-functional teams including smart contract and frontend developers
- Participated in daily stand-ups, code reviews, and sprint planning
- Contributed to protocol improvements and feature development
- Key Pull Requests demonstrating code quality and collaboration:
    - [Enhanced Protocol Integration - PR #17](#)
    - [Frontend Component Optimization - PR #28](#)
    - [API Documentation Improvements - PR #12](#)

DeFi & Protocol Experience

- **Aave Protocol Knowledge**: Deep understanding of liquidity protocols, lending/borrowing mechanics
- **Smart Contract Integration**: Extensive experience integrating with DeFi protocols
- **Protocol Development**: Contributed to protocol enhancements and feature development
- **Ethereum Ecosystem**: Active participant in Ethereum and DeFi communities

Hackathon Participation & Problem-Solving

- 🏆 Regular hackathon participant with proven track record in rapid prototyping
- 🔧 Strong debugging skills with experience in complex Web3 application troubleshooting
- 💡 Innovative problem-solving approach to protocol challenges and feature development
- 🚀 Experience in building MVPs under tight deadlines with cross-functional teams

Community Involvement & Leadership

- 🔒 Code Guardian at Thrive Protocols - Security and code quality oversight
- 🌱 Gitcoin Grant Contributor - Supporting open-source DeFi development
- 🤝 Divvi Contributor - Collaborative development and protocol improvements
- 📚 Technical Documentation Contributor - Creating developer resources and guides

Education & Continuous Learning

- Self-taught software engineer with focus on DeFi protocols and Web3 development
- Continuous learning in Ethereum ecosystem, Aave protocol internals, and DeFi innovations
- Active participation in developer communities and protocol governance discussions

Additional Qualifications

- **Ethereum Expertise**: Deep understanding of Ethereum protocol and DeFi mechanics
- **Testing Experience**: Proven experience in writing unit and integration tests
- **Documentation Skills**: Strong technical writing and API documentation experience
- **Team Collaboration**: Experience working with distributed, cross-functional teams
- **Problem-Solving**: Demonstrated ability to debug complex blockchain applications
- **Eagerness to Learn**: Continuously expanding knowledge of DeFi protocols and Aave ecosystem