Ibrahim Abdulkarim

Blockchain Developer | Software Developer

Contact Information

- 📧 ibrahimabdulkarim193@gmail.com
- 🌐 [GitHub](#) | [Twitter](#) | [Telegram](#)

Professional Summary

Innovative blockchain developer and security researcher with a proven track record of building decentralized applications that have reached millions of users and processed 100k+ transactions across multiple networks. Award-winning hackathon participant with deep expertise in smart contract development, DeFi protocols, and Web3 security. Passionate about creating accessible blockchain solutions and contributing to the open economy through rigorous security research and community engagement.

🏆 Major Achievements & Recognition

🥇 Chainlink Chromion Hackathon Winner - Avalanche Track

- **Festify Project**: Won the Avalanche track in Chainlink's Chromion Hackathon
- [Official Announcement](#)
- Developed cross-chain greeting card NFT platform with seamless blockchain integration

🎓 BuidlGuidl Top Cohort Graduate - Batch 13

- Recognized as a top graduate in BuidlGuidl's monthly builder cohort
- Active contributor to community development and mentorship
- [Cohort Repository](#)

🏆 Multiple Hackathon Victories

- **Encode Club Autonomous Apes Hackathon**: Won Gaia bounty with winning agent submission
- **Encode Club HyperHack Hackathon**: Winning submission for Hyperion testnet in Metis ecosystem
- **Ctrl+Move Hackathon**: Currently participating with project submission in progress

🚀 Core Projects

🎉 Festify - Cross-Chain Greeting Platform

React, TypeScript, Solidity, Celo, Avalanche

- **Scale**: Reached millions of users with 100k+ transactions across multiple networks
- **Achievement**: Winner of Chainlink Chromion Hackathon (Avalanche Track)
- **Features**: Cross-chain NFT greeting cards, festival celebrations on-chain
- **Live Demo**: [festify.club](#) | [GitHub](#)

🎓 ArbiLearn - Web3 Education Platform

TypeScript, React, Node.js, Arbitrum, Web3.js

- **Scale**: Reached millions of users with 100k+ transactions
- **Features**: Learn-to-Earn and Build-to-Earn programs, on-chain progress tracking
- **Impact**: Making Web3 education accessible and rewarding for global learners
- **Live Demo**: arbilearn.club | GitHub

🎵 Rijista - Music IP Protection Platform

Node.js, React, Solidity, Web3.js

- **Purpose**: Blockchain-based intellectual property protection for musicians
- **Features**: Immutable timestamping, secure ownership transfers, access control
- **Live Demo**: rijista.vercel.app | GitHub

🔒 Open Source Contributions & Community Engagement

BuidlGuidl Batch 13 - Top Cohort Graduate

- **Recognition**: Top graduate in monthly builder cohort program
- **Contributions**:
    - PR #17 - Protocol integration enhancements
    - PR #28 - Frontend optimization
    - PR #12 - API documentation improvements

Active Community Participation

- 🔒 **Code Guardian** - Thrive Protocols (Security oversight and code quality)
- 🌱 **Gitcoin Grant Contributor** - Supporting open-source Web3 development
- 🤝 **Divvi Contributor** - Collaborative protocol development
- 🏗️ **Celo Proof of Ship Builder Contest** - Active participant in Celo ecosystem development

💡 Technical Expertise

Blockchain & Web3 Technologies

- **Programming Languages**: TypeScript, JavaScript, Solidity, Node.js, Python
- **Frontend Frameworks**: React, Next.js, HTML5, CSS3, Tailwind CSS
- **Web3 Libraries**: Web3.js, Ethers.js, Wagmi, Viem, Thirdweb
- **Blockchain Networks**: Ethereum, Arbitrum, Avalanche, Celo, Polygon, Metis, Boba
- **Smart Contract Development**: Hardhat, Truffle, Foundry, OpenZeppelin

Security & Testing

- **Security Tools**: Slither, MythX, Echidna (static analysis)
- **Testing Frameworks**: Jest, Mocha, Chai, Unit & Integration Testing
- **Security Practices**: Smart contract auditing, vulnerability assessment, penetration testing

- **DeFi Security**: Protocol-level analysis, flash loan attack vectors, economic security

Development & Collaboration

- **Version Control**: Git, GitHub, Code Reviews, Sprint Planning
- **Documentation**: Technical writing, API documentation, developer guides
- **Deployment**: Vercel, IPFS, Filecoin, RPC tooling
- **Collaboration**: Agile development, distributed teams, mentorship

🎯 Hackathon Excellence & Problem-Solving

Proven Track Record

- **Chainlink Chromion Hackathon**: 🥇 Winner (Avalanche Track) - Festify
- **Encode Club Autonomous Apes**: 🏆 Gaia Bounty Winner - Winning Agent
- **Encode Club HyperHack**: 🏆 Winner - Hyperion Testnet (Metis Ecosystem)
- **Ctrl+Move Hackathon**: 🚧 Active Participant - Project submission in progress
- **Multiple ETHGlobal, TBD, Devpost, Dorahacks**: Regular participant with consistent results

Innovation & Impact

- Built applications reaching millions of users across multiple blockchain networks
- Processed 100k+ transactions demonstrating real-world adoption
- Rapid prototyping under tight deadlines with cross-functional teams
- Strong debugging skills in complex Web3 application environments

🌍 Vision & Mission

Educational Impact

- **Democratizing Web3 Access**: Through ArbiLearn, making blockchain education accessible globally
- **Security-First Development**: Building secure, scalable decentralized applications
- **Community Building**: Fostering the next generation of Web3 developers and security researchers

Professional Goals

- Contribute to blockchain security research and protocol development
- Mentor and educate developers in security best practices
- Build public goods that benefit the entire Web3 ecosystem
- Advance the state of smart contract security through innovative research

📚 Continuous Learning & Growth

Current Engagements

- **Celo Proof of Ship Builder Contest**: Active participation in Celo ecosystem development
- **Ctrl+Move Hackathon**: Developing innovative solutions for enhanced user interaction
- **Security Research**: Continuous learning in blockchain security and vulnerability research
- **Community Mentorship**: Supporting new developers in Web3 and security practices

Learning Philosophy

- Committed to staying current with evolving blockchain security landscape
- Proactive in researching emerging threats and security patterns
- Dedicated to knowledge sharing and community education
- Eager to apply skills for better development and ecosystem growth

🎖️ Additional Qualifications

Communication & Collaboration

- **Languages**: Advanced English proficiency with strong technical writing skills
- **Teamwork**: Experience in distributed, cross-functional development teams
- **Mentorship**: Proven ability to guide and support new developers
- **Documentation**: Strong technical writing and API documentation experience

Professional Values

- **Security Mindset**: Natural inclination to think like an attacker while building defensive systems
- **Open Source Commitment**: Dedicated to contributing to public goods and open economy
- **Continuous Improvement**: Always seeking to learn and apply skills for better development
- **Global Perspective**: Experience working across different blockchain ecosystems and communities

---

Ready to contribute to cutting-edge blockchain development and security research, with a proven track record of building applications that reach millions of users and a commitment to protecting the open economy through rigorous security practices.