Fadhil Mulinya

Developer Relations Expert | Blockchain Developer | Community Builder

Contact Information

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Professional Summary

Software engineer specializing in blockchain infrastructure and smart contract development. Experienced in building production-grade systems across multiple protocol ecosystems including EVM-compatible chains (Base, Arbitrum, Scroll, Lisk, ICP Bitfinity) and non-EVM environments (Cartesi, ICP) . Proficient in integrating core Web3 infrastructure including Chainlink oracles, ENS, and Uniswap protocols etc. Technical expertise centers on Rust, TypeScript, and Solidity for developing scalable smart contracts and infrastructure components

Active contributor to DAO governance and mechanism design, conducting research on governance models with emphasis on public goods funding, mechanism design theory, and game-theoretic approaches to coordination problems. Passionate about developer advocacy and community building, with a proven track record of mentoring developers and fostering technical communities in the blockchain ecosystem.

Professional Experience

Protocol Engineer & Researcher | Buidlabz R&D | August 2024 - Present

Buidlabz is a Web3 R&D studio that transforms concepts into production-ready products within 4–6 weeks, specializing in developer tools, infrastructure components, and open-source solutions that accelerate Web3 innovation.

Core Responsibilities:

- Leading protocol research, system architecture design, and core development for infrastructure projects

- Designing and implementing developer-facing products that improve Web3 accessibility and developer experience

- Building modular, composable systems across multiple blockchain ecosystems

Notable Projects:

Shadspace – Decentralized Storage Infrastructure
Architected a privacy-first storage protocol combining zero-knowledge proofs with ENS integration, enabling private, verifiable storage deployable on any device.

Crefy Protocol – Modular Identity Infrastructure
Led development of a comprehensive identity ecosystem including**:**

- Crefy Connect: Account abstraction infrastructure for seamless onboarding

- Crefy Phygitals: RWA tokenization engine for bridging physical and digital assets

- Crefy Passports: On-chain identity credential system

- Crefy Governance: DAO identity and governance tooling for reputation-based decision making

Burnered – Developer Security Tooling
Built VS Code extension for deploying production applications using secure burner wallets, preventing main wallet exposure with optional shielded private wallet generation.

Unicircle – Co-Founder & Lead Governance Researcher

April 2025 – Present

Uncircle is a governance research collective focused on advancing DAO operations, mechanism design, and decentralized coordination frameworks.

Core Responsibilities:

- Leading research initiatives on DAO governance models, voting mechanisms, and organizational design patterns

- Conducting in-depth analysis of mechanism design principles applied to decentralized systems, including token economics, incentive alignment, and game-theoretic coordination

- Designing governance frameworks and constitutional structures for emerging DAOs and protocol communities

- Researching public goods funding mechanisms including quadratic funding, retroactive public goods funding (RetroPGF), and grant program optimization

- Serving as active delegate in major DAO ecosystems, representing stakeholder interests and contributing to high-impact governance decisions

- Publishing research papers and frameworks that inform best practices in decentralized governance

Research Focus Areas:

- Mechanism design for decentralized coordination and collective decision-making

- Game theory applications in crypto-economic systems

- Public goods funding models and capital allocation frameworks

- Reputation systems and identity-based governance

- Voter participation optimization and governance accessibility

W3Zetech – Project Manager, Blockchain instructor
September 2023 – May 2025

W3ZeTech is a university-based blockchain development club at Zetech University focused on developer education and community building in the Web3 ecosystem.

Key Achievements:

- Co-founded and managed technical education programs that onboarded 5,000+ developers into blockchain development

- Led curriculum development and delivered hands-on instruction on smart contract development, protocol integration, and dApp architecture

- Organized and executed 20+ technical events, hackathons, and workshops in collaboration with leading blockchain protocols and communities

- Built strategic partnerships with Web3 protocols and developer communities to provide students with real-world project experience

- Established mentorship programs connecting students with industry professionals and opportunities in the blockchain space

- Fostered an active developer community that contributed to open-source projects and protocol ecosystems

Umojaverse – Developer Relations

Umojaverse is a community that is focused on developer education and community building in the Web3 ecosystem.

March 2024 – May 2025

- Led comprehensive training sessions empowering developers to build applications on the Arbitrum network

- Organized multi-campus events and developer bootcamps, onboarding new developers to Web3

- Partnered with blockchain and educational communities to strengthen Arbitrum's presence across East Africa

Hyperledger Kenya Chapter – Team Lead

Hyperledger is a blockchain platform built by Linux foundation.

December 2023 – July 2024 | Kenya (Hybrid)

- Provided technical mentorship on Hyperledger development to individuals and teams
- Organized campus-based and community events promoting Hyperledger technology
- Built an active developer community through engagement, training, and advocacy

Additional Experience

- Growth Lead (Founding Team) | Nexuspay (March 2024 - May 2025): Contributed to product development of a mobile stablecoin wallet, providing user insights and technical support
- Community Educator | Ledgerlady & Other Initiatives (2023-2025): Led blockchain education workshops focused on diversity and inclusivity in Web3

Technical Skills

- **Languages**: Solidity, JavaScript, Rust
- **Blockchain Platforms**: Arbitrum, ICP, Base, Ethereum, Hyperledger,Lisk,Scroll, Celo .
- **Tools**: Foundry,Remix,Uniswap,Chainlink,Oracles, Ens

Community Leadership and Event Management

- CodeAfrica Conference 2024 – Organizer and Featured Speaker

- Arbitrum Summit Kenya 2024 – Co-organizer

- Internet Computer Community Conference (ICPCC) 2024 – Organizing Contributor

- ETH Safari Conference 2024 – Volunteer and Facilitator

- Arbitrum Campus Tours 2024 – Host and Instructor

- Developer Bootcamps (Risein & W3zetech) 2024 – Session Leader

Core Competencies

- Smart Contract Development & Protocol Engineering

- DAO Governance & Mechanism Design Research

- Developer Relations & Community Building

- Technical Mentorship & Education

- Event Organization & Public Speaking