

Samuel T. Dahunsi

ZK & Blockchain Engineer

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SUMMARY

ZK and blockchain engineer building privacy protocols, on-chain verifiers, and smart-contract systems across Stellar, Stacks, EVM, and Algorand. Work spans browser-side Noir proving, native UltraHonk and BN254 verification, SIP-018 intent settlement, FHE contracts, and Rust proof-system implementations. B.Sc. Mathematics; teaches ZK foundations and studies sumcheck, GKR, and polynomial commitments from first principles.

SKILLS

Languages: Rust, Solidity, TypeScript, Go, Clarity

Proof Systems & Cryptography: Noir, UltraHonk, BN254, zkSNARKs, Sumcheck, GKR, KZG, Pedersen commitments, FHE

Protocols & Smart Contracts: Soroban, EVM, Stacks, Algorand, Foundry, Hardhat, x402

Systems & Infrastructure: Node.js, Express, REST APIs, PostgreSQL, Docker, OpenTelemetry, Git

PROJECTS

- [Privara](#) (Clarity, TypeScript, SIP-018) — Built a Stacks Endowment-supported SIP-010 payment-intent layer using signed intents, encrypted instructions, relay settlement, router-bound domains, unordered nonce salts, cancellation, and replay protection; explicitly scoped as metadata reduction rather than full anonymity.
- [StellarCred](#) (Rust, Soroban, Noir, UltraHonk) — Built reusable ZK credential infrastructure with browser-side proving, native BN254 verification, issuer and proof registries, and selective disclosure of credential attributes.
- [Lucent](#) (Rust, Soroban, Noir, UltraHonk) — Built confidential payments on Stellar with client-side proof generation and native on-chain verification across private transfers, payroll, escrow, selective disclosure, and compliance controls.
- [CipherMarket](#) (Solidity, FHE, TypeScript) — Built a confidential prediction-market stack with encrypted positions and balances, FHE-enabled contracts, escrow and dispute lifecycles, a typed SDK, and a Telegram notification service.
- [ZK Cryptography](#) (Rust, Sumcheck, GKR, KZG) — Implementing proof-system components from first principles, connecting finite-field arithmetic and multilinear polynomials to sumcheck, GKR, FFTs, and polynomial commitments.
- [AgentHub](#) (TypeScript, Express, Algorand, x402) — Built and deployed a mainnet pay-per-call API marketplace with 11 on-chain and LLM endpoints, USDC x402 settlement, transparent risk models, bounded indexer retries, and a published typed npm client.

EXPERIENCE

QuikDB Inc | Remote — DevRel & Backend Engineer

Dec 2025 - Present

(community-powered cloud infrastructure for deploying containerized applications across distributed compute nodes)

- Build backend and product capabilities for QuikDB's compute and utilities platforms using TypeScript, Node.js, Docker, PostgreSQL, and MongoDB.
- Contribute to deployment and operations workflows for containerized Node.js, Next.js, Python, and Go applications across community-operated compute nodes.

Unboxd | Remote — Full-Stack Developer

Apr 2025 - Nov 2025

(an event-management platform for guest lists, ticketing, invitations, access control, and event operations)

- Built responsive, accessible interfaces with Remix, TypeScript, and Chakra UI for managing events, guest lists, and promotional campaigns from one dashboard.
- Developed **Go** backend services and REST APIs for event creation, guest-management workflows, and real-time data synchronization.
- Collaborated with product designers and engineers to ship scalable features and improve the end-to-end experience for event organizers.

Oakchain | Lagos — Web3 Frontend Developer

Jan 2024 - Oct 2024

(a Web3 education and community platform for developer training, technical content, and ecosystem programs)

- Developed frontend interfaces for Web3 educational tools and community platforms using React, TypeScript, and Web3 libraries.
- Integrated wallet authentication, transaction signing, and smart-contract interactions into React applications.
- Supported developer onboarding through technical resources and hands-on learning environments for emerging blockchain developers.

Web3bridge | Lagos — Solidity Developer Intern

Aug 2023 - Nov 2023

(a blockchain engineering program focused on Ethereum, smart-contract security, and decentralized application architecture)

- Built and tested Ethereum smart contracts using modern deployment, testing, and Web3 integration workflows.
- Built full-stack decentralized applications using Solidity, React, and Ethers.js as part of hands-on blockchain engineering training.
- Collaborated on practical blockchain projects and applied secure smart-contract development practices.

 EDUCATION

Obafemi Awolowo University, Nigeria — *B.Sc. Mathematics*

2018 - July 2023

- Relevant Coursework: Linear Algebra, Advanced Calculus, Mathematical Modelling, and Real Analysis.

Activities: Google Developer Students Club, Cowrywise Campus Ambassador, Technovation Girls’ Mentor, GenZTechies Ambassador, Friends of Figma Community.

 LEADERSHIP/MEMBERSHIP

- Oct 2024 - Jan 2025 Matrix Revolution, **Web3 Educator**
- Nov 2022 - Present GenZ Techies, **Ambassador**
- Dec 2022 - Dec 2024 Technovation Girls, **Mentor**