

Joseph Oluwadara

Blockchain Security Engineer

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PROFESSIONAL SUMMARY

Blockchain Security Engineer at Coinbase with 4+ years of experience spanning protocol engineering, smart contract security research, threat modelling and tooling. Contributed to flagship Base infrastructure including the Base-Solana Bridge, x402 protocol, and the Base Azul upgrade. Independent security researcher with 50+ Critical, High, and Medium severity vulnerabilities identified across 200,000+ SLOC in competitive audit contests on Code4rena, Cantina, Sherlock, and Immunefi. Deep expertise in EVM internals, cross-chain infrastructure and Solana programs security.

NOTABLE AUDIT ACHIEVEMENTS

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- **Top 5, Ethena Contest** (Code4rena) | Stablecoin protocol with \$1B+ TVL
 - **Top 9, WildCat Contest** (Code4rena) | Undercollateralized credit protocol
 - **Top 9, Good Entry Contest** (Code4rena) | Options & structured products protocol
 - **Solo Finding, ZetaChain Contest** (Code4rena) | L1 blockchain with omnichain smart contracts
 - **40+ High & Medium Findings** accepted by protocol judges across Code4rena contests
 - **Additional bugs reported** via Sherlock and Immunefi bug bounty programs

EXPERIENCE

Blockchain Security Engineer

Coinbase | Nov 2024 – Present

- Audited the Base-Solana Bridge, enabling cross-chain asset transfers between Base and Solana, with a focus on bridge contract security.
- Led the audit for the x402 protocol, Coinbase's HTTP-native payment protocol built on Base, reviewing smart contract and protocol-layer security.
- Secured the Base Azul upgrade, a major network upgrade to the Base L2, led the security review and validation of upgrade contracts.
- Developed and maintained internal smart contract auditing tooling powered by AI.
- Participated in rotational on-call schedules for incident response, triaging and coordinating resolution of live security incidents.
- Conducted 20+ ecosystem security reviews for projects building on Base, assessing smart contract risk prior to integration or launch.
- Performed other confidential internal security reviews and M&A technical reviews including smart contract audits and threat modelling.
- Represented the Coinbase Security team as a speaker at Defi Security Summit 2025.

Solo Smart Contract Security Researcher

[Code4rena](#) · [Cantina](#) · [Immunefi](#) · [Sherlock](#) · [Codehawks](#) · [QuillAudits](#) | Jan 2023 – Jan 2025

- Conducted 20+ competitive audit contests, uncovering 40+ High and Medium severity bugs vetted and accepted by protocol teams.
- Reviewed 200,000+ SLOC across DeFi protocols including AMMs, lending markets, stablecoins, and omnichain infrastructure.
- Achieved Top 5 finish in the Ethena contest, a stablecoin protocol with over \$1B in TVL.
- Completed CTF challenges including Ethernaut (OpenZeppelin), Damn Vulnerable DeFi, and Secureum Bootcamp.

Developer Advocate (Contract)

INTMAX | October 2023 – March 2024

- Developer Advocate driving protocol education and ZK onboarding across Africa (Google DevFest Lagos, Africa Tech Summit, Nairobi).

Blockchain Developer (Contract)

Astra Metaverse | September 2022 – January 2023

- Developed and deployed an ERC-1155 for the Metaverse Marketplace
- Built backend APIs to interface with deployed contracts on-chain, enabling frontend integration.

Blockchain Developer (Contract)

Collect Waves | May 2022 – September 2022

- Developed Music NFT and marketplace contracts with ERC-20 tokens and API integrations.

TECHNICAL SKILLS

Languages: Solidity, Assembly (YUL), Rust, JavaScript, TypeScript, Python

Frameworks & Tools: Foundry, Hardhat, Anchor, Slither, Aderyn, and Echidna

Protocol Experience: AMMs, Tokens, Lending, Vaults, Proxies, Liquidity Staking, L2/Bridge Architecture, smart wallets.

Audit Platforms: Code4rena, Cantina, Sherlock, Immunefi, QuillAudits

CTFs Completed: Ethernaut (OpenZeppelin), Damn Vulnerable DeFi, Secureum Bootcamp

EDUCATION

Bachelor of Science, Mathematics

Federal University of Abeokuta, Ogun State, Nigeria | 2018 – 2022