

BILIQIS ONIKOYI

[Mail](#) | [Github](#) | [LinkedIn](#)

Blockchain & Rust Engineer with hands-on experience building **stablecoin infrastructure, secure smart contracts, and fintech-inspired payment systems**. Skilled in **ledgering, reconciliation, and settlements**, with projects spanning DeFi protocols, payment processing in Rust, and zero-knowledge proofs. Selected for the **Uniswap Hook Incubator**. Strong foundation in **protocol design, cloud-native APIs, and system-level engineering**, combining technical depth with proven leadership

EDUCATION

University of Lagos, Akoka, Lagos, Nigeria

Bachelor of Science in Mechanical Engineering

WORK EXPERIENCE

Blockchain Engineer – Smart Contracts & API Systems

Me Protocol • Jan 2024 – Jan 2025

- Built scalable backend functions in **Rust (Axum)** to support smart contract and user activity APIs.
- Migrated test infra from **Hardhat** → **Foundry**, achieving **100% coverage** with fuzz testing.
- Coordinated backend–frontend requirements for financial/protocol-based apps.
- Optimized contract execution, reducing gas costs by **15%**.

Full-Stack Developer (Web3 Integration)

Fenus • May 2024 – Oct 2024

- Engineered a **gasless stablecoin/token swap contract**, reducing onboarding friction for non-crypto-native users.

- Integrated **Strapi CMS**, improving content workflow efficiency by **30%**.
- Implemented **KYC and data protection compliance**, ensuring secure and auditable systems.

Smart Contract & DApp Developer

Web3Bridge • Jul 2023 – Nov 2023

- Designed and deployed **EVM-compatible smart contracts** (ERC20/721) with Chainlink VRF and account abstraction.
- Led team to build a **reward token DApp**, optimizing UX with account abstraction.
- Researched **Layer 2 scaling** to support high-volume and cost-effective transactions.

TECHNICAL SKILLS

- **Languages:** Rust, Solidity, Go, TypeScript, JavaScript, Yul, Python
- **Backend & Infra:** NestJS, Node.js, Axum, Actix, PostgreSQL, MongoDB, Redis, Docker, BullMQ, GitHub Actions
- **Frontend:** React, TailwindCSS, wagmi, ethers.js
- **Testing & Tools:** Foundry, Hardhat, Jest, Mocha, Postman
- **Concepts:** Stablecoin Systems, Ledgering, Reconciliation, Settlements, Key Management, Secure Signing, ZK Proofs, Layer 2 Scaling, Protocol Design

KEY PROJECT

- **Rust Payment Processing System** – Modeled **reconciliation, settlements, and transaction flows** with concurrency-safe ledgering. [GitHub](#)
- **QuikDB** – Contributed to a **decentralized compute/storage marketplace** with Lisk L2 contracts, gRPC infra, node registration, pricing models, and cluster scaling.
- **On-chain MongoDB (Rust)** – Built a local-first Rust DB with indexing, query planning, and persistence for eventual blockchain anchoring.

- **LC-3 VM Emulator (Rust)** – Developed a low-level VM emulator simulating instructions, I/O, and trap routines. [GitHub](#)
- **Zero-Knowledge Proofs (Rust)** – Implemented zkSNARK systems demonstrating cryptographic and privacy-preserving computation. [GitHub](#)
- **GuildEra** – On-chain arcade game using **MUD framework**, integrating contract logic with frontend UX.
- **WasteWise DApp** – Full-stack waste/reward DApp integrating React + Solidity. [Demo](#)

LEADERSHIP & VOLUNTEERING

President, NIMechE Unilag Branch • 2021 – 2023

- Led **500+ students** with a 10-member executive team, managing budgets and projects.
- Coordinated with faculty to improve learning environments and repair infrastructure.
- Organized **training, mentorship, and industry exposure programs** for students.

PROGRAMS & INCUBATORS

- **Uniswap Hook Incubator (2025)**: Selected participant, will develop DeFi hooks and advanced transaction flows.