

# Emmanuel Akinroye

## Senior Senior Blockchain Developer

### SUMMARY

- Senior Blockchain Developer with 5+ years designing and deploying smart contracts on Ethereum, EVM-compatible chains, and Solana using Solidity and Rust.
- Expertise in full-stack DApp development, integrating Web3 libraries (Ethers.js, Web3.js), wallet SDKs, and event-driven backend architectures.
- Proven track record optimizing gas costs, securing contracts with reentrancy guards and access control, and conducting internal audits to ensure robust security.
- Skilled in cross-chain token bridges, DeFi protocol design, and real-time systems handling.
- Strong background in Node.js, TypeScript, React, Next.js, REST/GraphQL APIs, Agile methodologies, and CI/CD pipelines.

### TECHNICAL SKILLS

|                                                     |                                                                |
|-----------------------------------------------------|----------------------------------------------------------------|
| <b>Main Technical Skills</b>                        | Solidity (6 yr.), Rust (4 yr.), Solana (2 yr.)                 |
| <b>Programming Languages</b>                        | Rust (4 yr.), Solidity (6 yr.), TypeScript (5 yr.)             |
| <b>JavaScript Libraries and Tools</b>               | Ethers.js (3 yr.), Web3.js (3 yr.)                             |
| <b>JavaScript Frameworks</b>                        | Ext JS (3 yr.), NestJS (5 yr.), Node.js (5 yr.), React (5 yr.) |
| <b>Cloud Platforms, Services &amp; Computing</b>    | AWS (5 yr.)                                                    |
| <b>Methodologies, Paradigms and Patterns</b>        | Agile (3 yr.)                                                  |
| <b>Virtualization, Containers and Orchestration</b> | Docker (3 yr.)                                                 |
| <b>Blockchain and Decentralized Software</b>        | Ethers.js (3 yr.), Solana (2 yr.)                              |
| <b>Version Control</b>                              | Git (5 yr.), Github Actions (2 yr.)                            |
| <b>SDK / API and Integrations</b>                   | GraphQL (4 yr.), RESTful API (5 yr.)                           |
| <b>Mail / Network Protocols / Data transfer</b>     | WebSockets (2 yr.)                                             |

## WORK EXPERIENCE

### Blockchain Developer and Backend Engineer - Crytpapay (Crytpapay (Bill Payments and DeFi Off-Ramping Platform))

**Duration:** Aug 2025

**Summary:** Crytpapay is a bill payments and DeFi off-ramping platform that facilitates seamless payment flows on the Solana blockchain using SPL tokens and SOL wallets.

**Responsibilities:**

- Designed and deployed Solana smart contracts in Rust for on-chain payment flows.
- Integrated SPL token logic and SOL wallet SDKs into a production DApp.
- Built and integrated blockchain solutions with existing backend systems via REST APIs.
- Optimized smart contract performance and gas costs.
- Implemented robust error handling, state management, and fallback logic.
- Developed event-driven backend architecture for asynchronous payment processing.

**Technologies:** Solana, Rust, SPL tokens, SOL wallet SDKs, REST APIs, event-driven backend architecture

### Blockchain Developer and Full-Stack Engineer - Allark (Allark (Token Prelaunch Trading Platform))

**Duration:** Jul 2025

**Summary:** Allark is a token prelaunch trading platform built on Solana, enabling secure token locking, release mechanics, and wallet authentication for early-stage token trading.

**Responsibilities:**

- Developed Solana smart contracts in Rust for prelaunch token trading.
- Built a full-stack DApp with React and TypeScript frontend.
- Integrated Web3 wallet SDKs for seamless crypto-native user experience.
- Engineered WebSocket infrastructure handling 1,000+ concurrent sessions with low latency.
- Integrated multiple external blockchain APIs and data sources.
- Applied circuit breaker patterns for high system availability.

**Technologies:** Solana, Rust, React.js, TypeScript, Web3 wallet SDKs, WebSocket, blockchain APIs

### Blockchain Developer - Neatio (Neatio (EVM Blockchain))

**Duration:** 2023 – 2024

**Summary:** Neatio is an EVM-compatible blockchain project focused on enabling secure cross-chain token bridges for trustless asset transfers between blockchains.

**Responsibilities:**

- Designed and deployed Solidity smart contracts for cross-chain token bridge.
- Conducted internal smart contract audits and resolved vulnerabilities.
- Applied security best practices including reentrancy guards and access control.
- Integrated blockchain solutions with backend systems via REST APIs.
- Built developer guides to reduce integration time.
- Collaborated with cross-functional teams in Agile sprints.

**Technologies:** Ethereum, Solidity, REST APIs, Agile methodologies



## **Blockchain Developer - Blockride (Blockride (Mobility Marketplace, Africa))**

**Duration:** 2022 – 2023

**Summary:** Blockride is a mobility marketplace in Africa enabling tokenized fractional bus ownership and on-chain mobility financing through blockchain technology.

**Responsibilities:**

- Designed and deployed Solidity smart contracts for tokenized fractional ownership.
- Built a DApp marketplace transaction engine with atomic smart contract operations.
- Integrated smart contract events with backend systems for real-time tracking.
- Implemented multi-step on-chain verification workflows.

**Technologies:** Ethereum, Solidity, smart contracts, DApp, backend integration

## **Blockchain Developer - Bole (Bole (Decentralized Exchange))**

**Duration:** 2021 – 2022

**Summary:** Bole is a decentralized exchange platform featuring automated market maker (AMM) logic, token swap mechanics, and liquidity pool management on Ethereum.

**Responsibilities:**

- Built full-stack DApp and Solidity smart contracts for decentralized exchange.
- Developed AMM logic, token swap mechanics, and liquidity pool management.
- Wrote unit and integration tests using Hardhat.
- Applied gas optimization techniques.
- Integrated smart contracts with React frontend via Ethers.js and Web3.js.

**Technologies:** Ethereum, Solidity, Hardhat, React.js, Ethers.js, Web3.js

## **Full-Stack Developer - Remax Real Estate (Remax Real Estate (MaltaHomeSearch))**

**Duration:** 2019 – 2021

**Summary:** MaltaHomeSearch is a real estate platform delivering advanced geolocation search and filtering workflows to serve over 1,000 monthly active users.

**Responsibilities:**

- Delivered production platform using React and Next.js frontend with Node.js backend.
- Designed and implemented 15+ RESTful API endpoints.
- Integrated multiple third-party APIs.
- Implemented advanced geolocation search and filtering workflows.

**Technologies:** React.js, Next.js, Node.js, REST APIs

## **EDUCATION**

### **• Doctor of Veterinary Medicine (DVM)**

University of Ibadan | Self-taught blockchain developer, delivering production DApps and smart contract systems throughout the academic program.

2017 – 2024

## **CERTIFICATION**

- **Udemy: React and Next.js**
- **Udemy: Rust Programming**



- Sololearn: HTML, CSS, JavaScript

