

LYDIA GYAMFI AHENKORAH

BLOCKCHAIN ENGINEER

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SUMMARY

I'm Lee, a **Smart Contract Engineer** specializing in **Solidity** and **Move** development with a strong background in **smart contract security and auditing**. I've participated in **public contests** on **Cantina** and **CodeHawks**, building a solid foundation in testing, proof-of-concept creation, and vulnerability research. I have won multiple hackathons; **Ataeru**, my winning project from **Base Batches 001 (AI Track)**, where I led the end-to-end smart contract architecture. I'm passionate about **secure protocol design**, constantly studying top DeFi codebases like **Uniswap**, **Aave**, and **1inch**, and learning from leading builders such as **Artem Chystiakov (Distributed Labs)**. Having completed a **Threshold Cryptography Bootcamp** with distinction, I continue to explore advanced cryptographic and protocol concepts while using tools like **Hardhat**, **Foundry**, and **Remix** to prototype and test ideas. I'm eager to collaborate with top teams, contribute to meaningful blockchain projects, and grow as a security-conscious builder.

SKILLS

Web3 & dApp Integration : wagmi, ethers.js, web3.js, viem, WalletConnect, RainbowKit, MetaMask Integration, NFT & Token Standards (ERC-20, ERC-721, ERC-1155), JavaScript, TypeScript, React.js, Next.js, Vite.js, Tailwind CSS, UI/UX Integration for Web3

Database Management: MongoDB, PostgreSQL, MySQL, Firebase Firestore

Blockchain Development: Solidity, Move, Rust, Hardhat, Foundry, Truffle, Anchor, IPFS, The Graph, Smart Contract Design & Auditing

Backend & API Development: Node.js, Nest.js, Express.js, RESTful APIs, GraphQL, WebSocket, CI/CD, Docker

Tools & infra : Git, GitHub, VS Code, Android Studio, Xcode, Docker, IPFS, Pinata, Alchemy, Infura

Professional: Team Collaboration, Problem-Solving, Mentoring, Remote Pair-Programming, Agile Development

EXPERIENCE

Smart Contract Engineer

Remote

freelancer

2024 - Present

- Designed and developed **smart contracts** in **Solidity** and **Move**, focusing on secure architecture and optimized on-chain logic.
- Planned and structured **contract architectures** for scalability, upgradeability, and efficient gas usage.
- Built and tested smart contracts using **Hardhat**, **Foundry**, and **Remix**, with emphasis on **unit, integration, and fork testing**.
- Implemented reusable **contract libraries** and **modular components** to enhance maintainability and reduce code duplication.
- Researched and integrated advanced **EVM tooling**, including debuggers, static analyzers, and gas profilers, to ensure contract reliability.
- Deployed and verified contracts across multiple testnets and mainnets, following best practices for **audit readiness** and **security compliance**.

Smart Contract Audit

Remote

Cantina, codehawks, HackenProof, code4rena

2025 – Present

- Helped secure multiple projects with a cumulative finding of 52+ (highs and medium reported vulnerabilities)
- Actively research and apply secure smart contract development practices, with a strong focus on real world attack surfaces and mitigation techniques
- Study audit reports and codebases of top DeFi protocols such as Uniswap, Aave, Curve, and Compound to understand common vulnerabilities and defence patterns
- Currently fuzz testing current audit project to uncover more bugs.

COMMUNITY

H.E.R. DAO

AMBASSADOR

H.E.R. DAO GHANA

COMMUNITY LEAD

EDUCATION

WISCONSIN INTERNATIONAL UNIVERSITY COLLEGE

BSc, Cyber Security

CYFRIN UPDRAFT