

Rozales M. ASSIMPAH

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Experienced Full Stack and BlockChain Developer.

EDUCATION

Online (Remote)

Ethereum Blockchain Developer Bootcamp with Solidity

January 2024 – April 2024

Smart contract development with Solidity, Ethereum blockchain concepts: EVM, transactions, gas, DApp (Decentralized Applications) creation and deployment, smart contract testing and auditing using Hardhat and Truffle, Web3.js and Ethers.js libraries, introduction to DeFi (Decentralized Finance) and NFTs

Our Lady of the Church Graduate School of Administration – Lomé, Togo

September 2018 – June 2023

Bachelor's Degree in Information Technology Management

Développement d'applications : Java, C#, PHP, MySQL, analyse et conception de systèmes d'information, gestion des bases de données et administration réseau, programmation orientée objet et développement web, gestion de projets informatiques.

EXPERIENCE

LLamas x World ID x Scroll – Remote

May 2024 – June 2024

Smart Contract Developer (Bounty)

- Integrated the World ID State Bridge with the Scroll Bridge to enable cross-chain communication
- Propagated new Merkle tree roots from the WorldIDIdentityManager contract on Ethereum to Scroll, following implementations from Optimism, Base, and Polygon PoS
- Added tests to simulate xDomainMessageSender and validated the origin of calls via the ScrollStateBridge
- Developed deployment scripts using Forge to automate processes

CDK LxLy x RocketPool Investment Manager – Remote

September 2023 – December 2023

Smart Contract Developer (Bounty)

- Modified the LxLy bridge to allow ETH staking with RocketPool via a new InvestmentManager role
- Developed features to move funds (ETH or ERC-20) between LxLy and RocketPool, and calculate excess yield
- Implemented methods like invest() and redeem() to manage fund allocation based on reserve thresholds and target yield
- Added ETH staking functionality with Lido for the LxLy bridge via the InvestmentManager role
- Developed invest() and redeem() functions for optimized ETH movement between LxLy and Lido based on reserve percentages and target yield
- Automated excess yield management and fund allocation via smart contracts

Polygon x Lens x TokenBound – Remote

June 2023 – August 2023

Smart Contract Developer (Bounty)

- Developed a cross-chain forwarder allowing 6551 contracts to call instances on another chain via an LxLy bridge (zkEVM -> Ethereum)
- Created a new UChild template for PoS Portal Tokens, adding EIP-3009 support to the UChildERC20 base
- Collaborated with Polygon and Lens teams to ensure contract compatibility across multiple chains

GEMACH – Remote

May 2023 – Present

Security Integration Developer (Bounty)

- Integrated GoPlus Security's API suite into GemachAI - Alpha Intelligence to enhance Web3 infrastructure security
- Fully (Frontend-Backend) developed DATA (Decentralized Autonomous Trading Agents), a groundbreaking concept where AI-driven agents operate autonomously to perform a variety of economic activities on the blockchain.

LANGUAGES

- French
- English

SKILLS

- Blockchain Development: Solidity, Smart Contracts, cross-chain integrations (zkEVM, Ethereum, Polygon)
 - Frameworks & Tools: Hardhat, Foundry, Forge, OpenZeppelin, Truffle
 - Programming: JavaScript, TypeScript, Python
 - Analyse de sécurité et audit de contrats intelligents
 - Development Tools: Git, GitHub, CI/CD, Docker
 - Web3 Frontend Development: Next.js, Web3.js, Ethers.js, Wagmi, RainbowKit, useDApp
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