Kenneth Scott Smith

ksmit323@gmail.com | GitHub | Website | LinkedIn

Summary

- Full-stack blockchain developer building secure and optimized smart contracts with frontend/backend integration
- Proven experience in developing secure, efficient smart contracts and contributing to successful blockchain projects
- Two-time hackathon winner implementing DeFi protocols and cross-chain solutions
- Proficient in Solidity, Rust, JavaScript, Python and other languages and tools with a focus on EVM development

Skills

- **Languages & Tools**: Solidity | Rust | Python | C | Typescript | JavaScript| Go | Foundry | Hardhat | Web3.js | EthersJS
- **Blockchain:** Smart Contracts | Solidity Design Patterns | EVM Security | Gas Optimization | DeFi Protocols
- **Web Development:** NextJS | React | NodeJS | SQL | Django | MongoDB | HTML | CSS | RESTful APIs | ExpressJS
- **Cloud & DevOps:** AWS services | Docker | CI/CD | Microservices | Cloud Architecture

Professional Experience

Blockchain Developer, Cytric.io 09/2024 - Current

- Engineered production-grade smart contracts using Solidity, modern security standards and gas optimization techniques
- Develop RESTful API's with GO and built MongoDB-based indexing service for blockchain events
- Integrated Web3.js and Ethers.js libraries with Next.js frontend to enable real-time blockchain data synchronization
- Built scalable cloud infrastructure using AWS services for high-performance 3D asset rendering and blockchain integration

Smart Contract Developer, Independent 08/2023 - 08/2024

- Developed smart contracts for a macroeconomic NFT staking game on the EVM, driving high user engagement
- Implemented ERC20 tokens and upgradeable contracts, enhancing the game's flexibility and security
- Optimized contract performance, resulting in a **20%** reduction in gas costs and improved user experience
- Collaborated with front-end developers to ensure seamless integration between smart contracts and the user interface

A.I. Software Engineer Internship, Polaris 02/2023 - 06/2023

- Achieved a **99%** accuracy rate in defect detection by designing and implementing computer vision algorithms
- Optimized **neural networks** on CPUs and GPUs, resulting in a **15% improvement** in processing speed
- Maintained and updated software tools and libraries, ensuring high performance in object detection applications
- Integrated AI-driven solutions into existing manufacturing processes, reducing waste and increasing efficiency

Projects

BuzzKill: Honeycomb Hustle - **Hackathon Winner**

- **1st Place Winner** of the Viction Horizon Startup Hackathon Gaming track
- Architected a robust smart contract ecosystem in leveraging **Solidity**, and **Foundry**, featuring NFT distribution and staking
- Designed and deployed a responsive, user-centric frontend using **Next.js**
- Links: Video demonstration / Github: Smart Contracts / Github: Frontend

Funding Rate Arbitrage for Crypto Futures Market - Hackathon Winner

- **1st Place Winner** of the Scaling Web3 Hackathon presented by Orderly network and Encode. Link to Github
- Developed a funding rate arbitrage program for crypto perps to compare and exploit funding rate across multiple DEXs
- The strategy generates approximately 0.012% profit per hour, equating to an annual percentage rate (**APR**) of **105%**

Education

Expert Solidity Coding Bootcamp	Extropy	Completed Nov 2023
Blockchain Intensive Coding Bootcamp	Encode	Completed Aug 2023
Bachelor of Science in Engineering	UNC Charlotte	Completed May 2012

- Major in Mechanical Engineering