Kenneth Scott Smith

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Summary _

- Former Mechanical Engineer turned Software Developer with a huge passion for Blockchain, Crypto, DeFi and AI.
- Proven experience in developing secure, efficient smart contracts and contributing to successful blockchain projects.
- Consistently recognized for innovation and problem-solving skills by winning **two** hackathons.
- Proficient in Solidity, Rust, Python, and EVM development with an understanding of blockchain security and optimization.

Skills

- Languages & Tools: Solidity | Rust | Python | C | Typescript | Foundry | Hardhat | Web3.js | Ethers.js | Django
- Blockchain: Smart Contracts | Solidity Design Patterns | EVM Security | Gas Optimization | DeFi Protocols
- Web Development: Next.js | React | Node.js | HTML | CSS | RESTful APIs | Full-Stack Development
- Other tools: Move | Noir | Web Scraping | Git | Linux | OpenCV | CI/CD | SQL | Database Management

Professional Experience

Full Stack Developer, Cytric.io

- Developed smart contracts using Solidity and other blockchain technologies, ensuring security and scalability.
- Architected frontend design with Next.js and React, focusing on responsive and user-friendly interfaces.
- Implemented backend systems in Django and other frameworks, building APIs, and handling databases.

Smart Contract Developer, Independent

- 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 BootcampExpert Solidity Graduate Certificate	Extropy	Completed Nov 2023
 Blockchain Intensive Coding Bootcamp Blockchain Graduate Certificate 	Extropy	Completed Sept 2023
Bachelor of Science in Engineering	UNC Charlotte	Completed May 2012

Major in Mechanical Engineering

09/2024 - Current

08/2023 - 08/2024