

# Kenneth Scott Smith

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## Summary

- Full-stack blockchain developer building frontend/backend integration with smart contracts on the EVM
- Proven experience contributing to successful blockchain projects in languages such as Solidity, Rust, Go, Python, JS/TS
- Two-time hackathon winner and a shameless member of the Rust cult

## Skills

- Languages & Tools: Solidity | Rust | Python | C | Typescript | JavaScript | Go | Vite | Foundry | Hardhat | Web3.js
- Web Development: React | Next.js | Node.js | Nest.js | PostgreSQL | Django | HTML/CSS | REST APIs | ExpressJS | FastAPI
- Blockchain: Smart Contracts | EVM | ERC Standards | EVM Security | Gas Optimization | DeFi | Security Audits
- Cloud & DevOps: AWS (ECS, Lambda, Batch, S3, CloudFront, ACM) | Docker | Terraform | CloudFlare | Infra-as-Code

## Professional Experience

### Full Stack Blockchain Developer, cryptoart.com

02/2025 - Present

- Lead developer of upgradeable ERC721 NFTs implementing ERC7160 using **Solidity** and **Foundry**.
- Led **audits**, identified critical vulnerabilities, and shipped secure Ethereum **Mainnet** deployments.
- Built production-ready frontend with **React** and **Vite**, integrating smart contracts and **RESTful APIs**.
- Designed and deployed a **NestJS** backend with **PostgreSQL** on **AWS ECS**, Cloudfront with **Terraform**.
- Managed HTTPS certs, DNS, and multi-domain routing with **Cloudflare** and AWS ACM.

### Full Stack Blockchain Developer, Cytric

09/2024 - 01/2025

- Engineered production-grade **smart contracts** using **Solidity** and **Hardhat** for unit/integration testing
- 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 and **FastAPI** to synchronize blockchain data
- Built scalable cloud infrastructure using **AWS** services for high-performance 3D asset rendering and blockchain integration

### Smart Contract Developer, freelance

08/2023 - 08/2024

- Developed smart contracts with **Foundry** for a NFT staking game on the **EVM**,
- Implemented **ERC20** and **ERC721** tokens and upgradeable contracts, enhancing the game's flexibility and security
- Built blockchain apps using **Rust** and **Axum** on the backend and **Dioxus** on the frontend.

### A.I. Software Engineer Internship, Polaris

02/2023 - 06/2023

- Achieved a **99%** accuracy rate in defect detection by designing **OpenCV** computer vision algorithms using **YOLOV3**
- Optimized **neural networks** on **CUDA**, resulting in a **30% improvement** in processing speed
- Maintained and updated software tools in **C++** and **Python**, ensuring high performance in object detection applications

## Projects

### Automated Uniswap V3 Liquidity Rebalancing Bot

- Built an automated liquidity rebalancer in **Rust** using **Alloy** with **OKX API**, implementing static and dynamic ( $\tau$ -reset) strategies for range-based LP optimization.
- Engineered precise tick-range management, fee-growth tracking, and gas-efficient reallocation logic.

### 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](#)

## Education

- |   |               |                    |
|---|---------------|--------------------|
| • Expert Solidity Coding Bootcamp                                       | Extropy       | Completed Nov 2023 |
| • Blockchain Intensive Coding Bootcamp                                  | Encode        | Completed Aug 2023 |
| • Bachelor of Science in Engineering<br>Major in Mechanical Engineering | UNC Charlotte | Completed May 2012 |