Ray Smith

Blockchain developer

@ smithray1326@gmail.com 🔗 https://github.com/raysmith113
🔗 https://x.com/kakamajo_btc 📍 Singapore

SUMMARY

Innovative and results-driven **Senior Blockchain Developer** with 6**+ years** of experience in designing, developing, and deploying **decentralized applications (dApps)** across multiple blockchains, including **Ethereum, Solana, Sui, and Bitcoin**. Highly skilled in **DeFi protocol development**, **cross-chain interoperability**, **NFT marketplaces**, and **AI-driven trading bots**. Expertise in optimizing **gas-efficient smart contracts**, **automating trading strategies**, and utilizing **Layer 2 solutions** to improve scalability and transaction efficiency. Passionate about integrating **cutting-edge AI algorithms** with blockchain technologies for adaptive and intelligent financial solutions.

TECHNICAL SKILLS

Blockchain Platforms & Smart Contracts:

Blockchains: Ethereum, Solana, Sui, Bitcoin, Polygon, Binance Smart Chain (BSC)
Smart Contracts: Solidity, Rust (Solana, Sui), Vyper, Python
Smart Contract Frameworks: Hardhat, Foundry, Truffle, Anchor
DeFi Protocols: Uniswap, Compound, Aave, MakerDAO, Curve Finance
NFT Standards: ERC-721, ERC-1155, ERC-998, Sui Tokenization
Cross-Chain Solutions: Wormhole, LayerZero, Axelar
Token Standards: ERC-20, ERC-777, ERC-1155, FT Tokens, Rune Integration

Bots & Automation:

Trading Bots: Developed and deployed **AI-powered algorithmic trading bots** on decentralized and centralized exchanges, focusing on **market-making** and **arbitrage**.
NFT Sniping Bots: Created custom bots for **NFT drops**, enabling **high-speed transactions** to secure mints and trades on platforms like **OpenSea, Solanart**, and **Magic Eden**.
AI Agents: Integrated **reinforcement learning** models into **trading strategies** for intelligent decision-making based on market trends and volatility analysis.

Web3 Development:

Web3 Libraries: Web3.js, ethers.js, Wagmi, viem
Web3 Frontend: React.js, Next.js,Tailwind CSS
Databases: MongoDB, PostgreSQL, Redis
Oracles & Analytics: Chainlink, Pyth Network, The Graph

DeFi & DEX Technologies:

Decentralized Exchanges (DEX): Uniswap V3, Sushiswap, PancakeSwap
Lending & Borrowing Protocols: Aave, Compound
Automated Market Makers (AMM): Curve Finance, Balancer
Yield Farming: ERC-4626, liquidity provision strategies, governance tokens

EXPERIENCE

Senior Blockchain Developer   2023 - 2024

NXT INTERACTIVE PTE. LTD.

- **Architected and deployed DeFi protocols**, including **liquidity pools**, **staking contracts**, and **yield farming strategies** on **Ethereum** and **Solana** ecosystems, optimizing gas costs and transaction throughput.
- **Created and integrated AI-powered trading bots** using **reinforcement learning** algorithms for **arbitrage** and **market-making** across **Uniswap, PancakeSwap**, and **Solana DEXs**, increasing transaction efficiency by 30%.
- **Implemented multi-signature wallet security** and **upgradeable smart contracts** using **OpenZeppelin UUPS proxies.Developed NFT marketplaces** using **ERC-721 and ERC-1155** standards, integrating cross-chain **Wormhole** bridges for seamless asset transfer between **Ethereum** and **Solana**.
- **Developed NFT marketplaces** using **ERC-721 and ERC-1155** standards, integrating cross-chain **Wormhole** bridges for seamless asset transfer between **Ethereum** and **Solana**.
- **Launched a cross-chain liquidity aggregator** to pool tokens across **Ethereum, Solana, Polygon**, and **BSC**, improving liquidity availability by 25%.
- Designed and optimized **Layer 2 scaling solutions (zkSync, Arbitrum)** to mitigate Ethereum network congestion and reduce gas fees for dApp users by up to 60%.

EDUCATION

Bachelor's Degree, Computer Science

Hong Kong University of Science and Technology

01/2012 - 01/2016

Bachelor of Science in Finance

University of North Carolina at Charlotte

01/2009 - 01/2012   Charlotte, NC

LANGUAGES

Chinese	Proficient	●●●●○
English	Proficient	●●●●○

INTERESTS

⚡ **Financial Literacy**
Passionate about improving financial literacy and empowering individuals with the knowledge to make informed financial decisions.

🏆 **Continuous Learning**
Committed to continuous learning and professional development in the field of finance and Blockchain.

TECHNOLOGY

Bitcoin

Ethereum

Solana

Sui

MY LIFE PHILOSOPHY

Highly responsible and dedicated professional with a strong commitment to accountability, integrity, and excellence. I believe that true success comes from taking ownership, staying disciplined, and always striving for quality. Known for consistently meeting deadlines, embracing challenges with resilience, and delivering impactful results that reflect my dedication to continuous growth and improvement.

EXPERIENCE

Ethereum Smart Contract Developer   2021 - 2023

Fellowship of Ethereum Magicians

- Developed **gas-efficient smart contracts** using **Solidity and Foundry**, optimizing execution costs by **40%**.
- Built **staking and yield farming contracts** for a DeFi platform, handling **$100M+ in TVL**.
- Integrated **zk-Rollup technology (zkSync, StarkNet)** to reduce Ethereum gas fees for transactions by **70%**.
- Designed and audited **ERC-20, ERC-721, and ERC-1155 token contracts**, ensuring security and efficiency.
- Implemented **cross-chain bridges (Ethereum <> Arbitrum <> Polygon)** using **LayerZero and Axelar**.
- Conducted **smart contract security audits**, mitigating **reentrancy, integer overflows, and front-running attacks**.

Blockchain Engineer (DeFi & NFT)   2018 - 2021

Blockchain Council

- **Built an NFT marketplace** with **ERC-721 & ERC-1155 standards**, supporting **royalty enforcement via EIP-2981**.
- **Designed and deployed a decentralized identity system** using **EIP-4337 (account abstraction) and social recovery wallets**.
- **Implemented cross-chain bridges (Ethereum <> Solana, Polygon, BNB Chain)** using **LayerZero & Axelar**.
- **Developed smart contract-based auctions & lending mechanisms** for NFT collateralization.
- **Optimized The Graph queries** for indexing Ethereum smart contract events, improving frontend response times by **40%**.