ABOUT ME

Ethereum DAPP/Smart Contract Developer, Solidity Assembly Engineer, Gas Optimizer, Security Maintainer, Blockchain-EVM Researcher

My real strength is my knowledge of Solidity and the ability to use Assembly, also my experience in researching and experimenting with hacking cases so far.

EXPERIENCE

maAPPs 2022/9 - Present

Self-employed Smart Contract Engineer

- Developing Ethereum DAPP/Smart Contract
- Engineering Solidity Assembly
- Designing Efficient NFT Marketplaces
- Developing NFT Staking and Auction
- Developing Solana on-chain program
- Researching DeFi, AMM Protocols
- Optimizing Gas Usage
- Maintaining Security
- Implementing Proxy Contract
- Decentralizing Oracle
- Researching Blockchain, Ethereum, EVM

Rand Labs 2021/6 - 2022/8

Algorand Smart Contract Engineer

- Implement Variable Interests Yield Farming Protocol on Algorand
- Implement AMM Protocol on Algorand
- Debug TEAL Programs
- Develop Incentivized Liquidation Process
- Design Cross-chain Collateral Protocol
- Implement Centralized Orderbook Exchange
- Improve Pyteal Library

SKILLS

- Solidity
- Solidity Assembly Yul
- TEAL, Pyteal
- RUST
- C/C++
- ASM
- TypeScript

EDUCATION

Ethernaut 2020 - Present

- Smart Contract Audit
- Re-entrancy Attack
- Front Running
- ERC20 Vulnerabilities
- Multi-sig Wallet Vulnerabilities
- DOS Attack
- Privacy Issues

CryptoZombies 2020

- Ethereum Smart Contract Development
- Truffle Test & Deploy Tools
- Oracle Development

Solidity Doc 2018 - 2020

- Solidity Programming Language
- Yul Programming Language
- Layout of State Variable
- Solidity Compiler
- Ethereum Virtual Machine

Parcel 2020/10 - 2021/5

Senior Smart Contract Developer

- Develop ERC721 NFT Marketplace
- Implement Off-chain Order Matching
- Implement Asset Lazy Mint
- Integrate EIP712 Meta Transaction
- Designed Listable Asset Bundling Structure

Ondo Finance 2019/12 - 2020/9

Smart Contract Engineer

- Develop Tranche based Short-term Farming Strategy
- Research New Liquidity Mining Incentive
- Implement On-chain Multi-protocol Aggregation Swap
- Develop JavaScript AMM Simulator
- Support Solidity Fuzz Test
- Solidity Vulnerability Experiments
- Integrate Hardhat Deploy
- Design DAO Simulation Scenario
- Implement Multi call Aggregator
- Implement Merkle Airdrop

Hyware Science and Technology 2015/8 - 2019/11

Lead Developer

- Develop Smart Card Operating System kernel architecture
- Develop ECC crypto algorithm based on ARM ASM
- Implement Smart Card specified Java VM
- Write Java Card financial applications

Beijing University of Posts and

Telecommunications 2013 - 2015

• Certificate Course in Software Engineering

Dalian University of Technology 2009 - 2012

• B.SE in Information Technology