



CARL

Web3 Full Stack Developer

ShenZhen, China | silverwingsdw@gmail.com

Web3 developer with extensive experience in blockchain technologies, smart contract development, and full-stack engineering. Skilled in designing secure and efficient DeFi protocols, as well as integrating scalable web applications with blockchain systems. Adept at solving complex challenges and delivering robust solutions.

WORK EXPERIENCE

RHO MARKETS

Web3 Full Stack Developer | May 2024 – Present

- Designed and developed core modules, including market management, lending mechanisms, and liquidation logic, ensuring secure and efficient protocol operations.
- Implemented and optimized smart contracts using **Solidity**, enhancing system stability and resistance to attacks.
- Integrated frontend with smart contracts using **React** and **Web3.js**, creating user-friendly lending interfaces.
- Developed multi-asset interest rate calculation logic to maximize user profitability.
- Managed off-chain data storage with **PostgreSQL** and **Redis**, enabling efficient processing and access to large-scale data.
- Conducted smart contract security audits, identifying and resolving vulnerabilities to strengthen overall system security.

AGILELY

Web3 Full Stack Developer | Nov 2023 – Mar 2024

- Refactored and optimized **Liquity** smart contracts, enhancing decentralized lending and stablecoin generation mechanisms for better security and scalability.

- Developed efficient liquidity pool management logic, enabling seamless asset deposits, withdrawals, and automated liquidations.
- Improved stablecoin stability by optimizing minting mechanisms and designing a dynamic minting fee model.
- Built responsive user interfaces with **React** and **Web3.js**, facilitating effective interaction with smart contracts.

WORLDFIRST

React Developer | Apr 2021 – Oct 2023

- Contributed to the development of the WorldFirst platform frontend, ensuring a responsive design and enhanced user experience across devices.
- Delivered key features, including the developer payment account management interface, simplifying payment detail management for users.
- Optimized frontend performance through code splitting and lazy loading, reducing page load times and improving responsiveness.
- Supported platform internationalization, expanding accessibility to a global audience and increasing international competitiveness.
- Collaborated with backend teams via RESTful APIs, ensuring data consistency and reliability.

RIMEDATA

Full Stack Developer | Mar 2020 – Mar 2021

- Developed data analysis services with **Golang**, addressing large-scale data processing requirements.
- Contributed to the feature development and refactoring of Web, App, and Mini Program WebView platforms, enhancing usability and functionality.

PROJECTS

- **Rho Markets**
- **Agilely**
- **WorldFirst**
- **RimeData**

SKILLS

- **Programming Languages:** Proficient in **JavaScript**, **TypeScript**, **Rust**, **Golang**, and **Node.js**.
- **Blockchain Expertise:** Deep understanding of **Solidity**, **Solana**, **EVM**, and **SVM** mechanisms.
- **Frameworks:** Experienced with **Hardhat**, **Foundry**, and **Anchor Framework**.
- **Tools & Libraries:** Skilled in **Web3.js**, **ethers.js**, **wagmi**, **solana-web3.js**.
- **Security:** Knowledgeable about common vulnerabilities (e.g., reentrancy, integer overflow) and capable of implementing robust security measures.

EDUCATION

SHENZHEN UNIVERSITY

Bachelor of Computer Science | Jun 2012 – Jan 2016

Thank you for reviewing this resume. Excited about the possibility of contributing to your team's success!

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