



# CARL

## Web3 Full Stack Developer

ShenZhen, China | [silverwingsdw@gmail.com](mailto: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

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

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