Zhou Hanwen

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Career Objective: Blockchain Engineer

Personal Strengths

- Extensive backend development experience with a solid foundation, proficient in Java and Go system architecture, and skilled in using common development frameworks and open-source libraries.
- 3 years of Web3 development experience, deeply involved in public chain ecosystems such as Ethereum and BSC, with rich practical experience in smart contract and on-chain application development.
- Led small to medium-sized teams to deliver multiple projects from scratch, participating in architecture design, technology selection, and implementation.
- Proficient in distributed systems and microservices architecture, capable of independently analyzing, designing, and leading the development of small to medium-sized projects, ensuring efficient project progress and delivery quality.
- Familiar with the complete software development lifecycle, able to communicate requirements effectively, manage project timelines, and produce high-quality documentation.

Technical Skills

- Proficient in **Solidity**, **Java**, **Go**, and **Rust**, with solid smart contract development capabilities.
- Deep understanding of Web3-related development frameworks and proficient in using key technologies such as caching and databases to support efficient and stable blockchain application development.
- Familiar with **POW** and **POS** consensus mechanisms and the operational principles of **EVM**.
- Skilled in using smart contract development frameworks and tools such as **Hardhat**, **Remix**, and **OpenZeppelin**.
- Knowledgeable about common attack vectors such as **reentrancy attacks**, **authorization vulnerabilities**, and **front-running**, with the ability to effectively mitigate security risks.
- Deep understanding of various **ERC standards**, including but not limited to **ERC20**, **ERC721**, and **ERC1155**, with extensive experience in protocol development and application.
- Fluent in both **Chinese** and **English** as working languages.

Work Experience

Jiechuang Software | Blockchain Development Engineer | 2021.06 - Present

- Led the development of blockchain-based applications, focusing on smart contract development and deployment.
- Designed and implemented secure and efficient blockchain solutions for various projects.
- Collaborated with cross-functional teams to ensure timely delivery of high-quality products.

Qingdao Yinglian Art Media Co., Ltd. | Java Developer | 2019.08 - 2021.06

- Developed and maintained Java-based applications, ensuring high performance and scalability.
- Collaborated with the team to deliver projects on time and within budget.

Shanghai Modao Network Technology Co., Ltd. | Java Developer | 2015.06 - 2019.06

- Worked on Java-based backend systems, focusing on performance optimization and system stability.
- Participated in the design and implementation of distributed systems.

Project Experience

CFXH - Digital Asset Management Platform | Blockchain Development Engineer | 2024.06 - Present

- Responsible for the overall architecture design and technical planning of the CFXH digital asset management platform, ensuring stable operation and meeting business requirements.
- Led the development team, implemented agile development processes, and ensured timely project delivery while continuously optimizing product performance.
- Led the platform's token issuance on BSC, including smart contract development and deployment, ensuring the security and effectiveness of the token issuance process.
- Integrated with PancakeSwap to create a liquidity pool with USDT, enhancing asset liquidity and market activity.
- Designed and implemented a user funding mechanism, including fund allocation logic (e.g., 10% for USDT purchase, 10% for platform exchange), ensuring transparency and fairness in fund management.
- Developed and improved a VIP level and profit-sharing algorithm based on a user referral system, promoting community growth and user engagement.
- Conducted data analysis and provided various business reports.

Achievement: Total transaction volume exceeded **400W+ USDT**.

LaunchPad-Farm | Blockchain Engineer

- Responsible for backend development of the LaunchPad-Farm blockchain platform, focusing on smart contract development and deployment to ensure stable and efficient transaction processes.
- Designed and implemented a refined KYC and AML review mechanism, significantly improving the speed and accuracy of investor qualification checks.
- Optimized the backend logic of the token sale process, ensuring secure locking of investor funds and smooth token purchase processes.
- Managed backend event handling to ensure accurate token generation and distribution, improving the platform's fund operation efficiency.
- Supported over 20 fundraising projects through technological innovation, helping the platform accumulate over **500+ ETH** in funding.
- Continuously monitored and optimized system performance to ensure stable operation under high concurrency.

Achievement: Total funds raised exceeded **3000+ ETH**.

NFT Marketplace | Blockchain Engineer

- NFT Minting and Display: Enabled users to create (mint) new NFTs and display them on the marketplace.
- NFT Buying and Selling: Allowed users to purchase NFTs on the marketplace or list their own NFTs for sale.
- Auction and Bidding: Supported auction mode, allowing users to bid on NFTs.
- Introduced a referral mechanism, enabling users to earn commissions by recommending NFT purchases.
- Wallet Integration: Integrated Ethereum wallets (e.g., MetaMask) to enable transactions.
- User Account System: Implemented user registration, login, and profile management functionalities.
- Search and Filter: Enabled users to search and filter NFTs based on type, price, etc.
- Transaction History and Statistics: Displayed user transaction history and market statistics.

Financing Management Platform | Java Engineer

- Developed and maintained financial systems in a distributed microservices architecture, ensuring efficient and stable loan operations between the transaction system and third-party funds.
- Designed and implemented a strategy pattern to flexibly match and decouple business requirements from different fund providers, enhancing the dynamic and accurate configuration of backend operations through MVEL expressions.
- Introduced dynamic data extraction technology for complex matching logic, generating regular business reports to quantify transaction matching efficiency and accuracy.
- Optimized business interaction processes between different fund providers using factory and strategy patterns, improving data processing flexibility and efficiency.
- Used scheduled tasks for asynchronous status verification, ensuring consistency between the transaction system and third-party fund provider systems, reducing data discrepancy risks.
- Enhanced operational reliability by implementing distributed locking mechanisms with Redisson, ensuring data consistency and system stability under high concurrency.

Achievement: The platform's monthly transaction volume reached up to **50 million**.

Education

Wuhan Vocational College of Commerce and Trade

Associate Degree | Computer Networking | 2012 - 2015