

# **Dez Calimese**

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## **Summary**

- Founding Engineer at Omo Protocol, leading smart contract development for standardized ERC4626 vaults, front-end engineering, and the creation of advanced AI agent plugins—contributions that helped secure over \$1M in pre-seed funding
- Principal UI/UX Engineer at Bricks Exchange, leading a 4-person dev team through all project phases - code reviews, mentoring, and deployment oversight.
- CTO at Minting Melodies, spearheading end-to-end blockchain application development, implementing test automation, and meeting deadlines.

## **WORK EXPERIENCE**

### **Omo Protocol** • Remote • 11/ 2023 – Present

#### **Founding Engineer**

- Architected and implemented ERC4626 standardized vaults, leading both smart contract development using Solidity and Foundry, and frontend solutions with Next.js, Tailwind CSS, and TypeScript
- Implemented Tenderly's Virtual Testnet framework and testing methodologies, resulting in a 50% increase in testing efficiency and improved contract reliability
- Utilized Coinbase MPC Wallets to enable AI agents with crypto wallets, executing complex financial strategies between Morpho, Uniswap, and Omo's native code, enhancing the protocol's automation capabilities
- Developed a cross-chain transactions plugin for ElizaOS leveraging Lit Protocol's PKPs and threshold cryptography, enabling secure decentralized key management for AI agents
- Conducted ongoing R&D on emerging blockchain technologies, ensuring the protocol remains at the forefront of industry innovation

### **Bricks Exchange** • Remote • 11/ 2022 – 11/2024

#### **Lead Blockchain Developer**

- Lead a team of four frontend developers as the principal engineer responsible for UI/UX development
- Onboarded and trained three junior frontend developers, providing code reviews and mentoring to improve team skills, resulting in 25% faster delivery timelines
- Collaborate cross-functionally with backend engineers, smart contract developers, and security analysts to design, code, and thoroughly test numerous blockchain applications, emphasizing clear communication and relationship building
- Develop project plans and timelines for frontend development initiatives using Next.js, React Native for Web, TypeScript, JavaScript, Wagmi, Viem, and TailwindCSS, focusing on delivering intuitive and appealing UIs within established deadlines
- Conduct research to acquire and implement new technologies to meet project specifications and requirements within allocated budgets and resources
- Leverage agile methodologies like Scrum and Kanban using project management tools like ClickUp to plan, track progress, and collaborate through all phases of the software development life cycle from conception to deployment

### **Minting Melodies** • Remote • 08 / 2022 – 02/2023

#### **Chief Technology Officer**

- Provided technology leadership and support through the development of smart contracts, landing pages, and internal infrastructure to empower artists in creating NFT collections and streamlining royalty distribution
- Optimized royalty distribution through smart contracts, automating 80% of the process
- Established test automation pipelines to support debugging and issue resolution, emphasizing thorough testing and review
- Contributed high-quality code through rigorous processes, remaining focused on meeting project timelines and objectives
- Stayed current with emerging blockchain protocols and assets to inform effective smart contract deployment, development, and testing

## **Staking App Project** • Remote • 07 / 2022 – 08/2022

### **Software Engineer**

- Developed a decentralized staking application enabling users to deposit, withdraw, and earn interest through the staking contract, meeting project timelines and requirements
- Performed full-stack engineering tasks encompassing design, coding, and testing while adhering to protocols and focusing on stakeholder collaboration
- Collaborated across technical disciplines to create blockchain applications, including configuration, deployment, and software component integration
- Utilized various programming languages and frameworks, such as Solidity, Hardhat, and Scaffold-Eth, to design and implement systems

## **RSVP Decentralized App Project** • Remote • 07 / 2022 – 08 / 2022

### **Software Engineer**

- Created a decentralized RSVP application, facilitating event creation and RSVPs with innovative solutions.
- Conducted extensive research to adapt to new technologies necessary for project requirements and specifications
- Proficiently used various software tools and frameworks, including Solidity, Hardhat, Next.js, Tailwind, GraphQL, and Web3Storage
- Stayed current with industry trends, especially in blockchain technology, and integrated emerging development methods into the platform
- Extracted and leveraged data insights from various sources to drive innovative application development solutions, adhering to service level agreements and defined metrics

## **ConsenSys Bootcamp – MultiSig Wallet Project** • Remote • 09 / 2021 – 01 / 2022

### **Software Engineer**

- Developed a multi-signature wallet system, enabling secure transfers with approval from listed accounts on the approvers' list
- Maintained up-to-date knowledge of blockchain technology, trends, and best practices to contribute to the development of cutting-edge blockchain technologies and systems
- Conducted comprehensive data analysis to identify system issues, deficiencies, and trends, guiding necessary modifications and improvements

## **Decentralized Exchange Project** • Remote • 05 / 2021 – 06 / 2021

### **Software Engineer**

- Led the design and development of a decentralized order-book exchange, enabling users to trade a custom ERC-20 token for Ethereum
- Gained a deep understanding of the product and objectives to architect, design, develop, and operate services effectively, catering to the needs of targeted users
- Utilized Solidity, Truffle, React, and Bootstrap for server architecture, prioritizing scalability and reusability in the development process

## *EDUCATION*

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### **HS Diploma**

Cardinal McCarrick • South Amboy, NJ

## *CERTIFICATIONS*

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### **Ethereum Smart Contract Development**

ConsenSys Academy – Ethereum smart contract development

### **Backend, SQL, & DevOps with Python**

NuCamp Coding Bootcamp – Development with Python, SQL, AWS, Azure, GCP, Docker, and Kubernetes

### **Project Management Certification**

Gener8tor Skills – Best project management practices

### **Expert Solidity Bootcamp**

Encode Club – Advanced Ethereum/EVM chain smart contract development

## **Secureum Bootcamp**

Secureum – Smart contract security and auditing

## **Solidity Bootcamp**

Encode Club – Ethereum/EVM chain smart contract development

## **Move Bootcamp**

Encode Club – Move programming language smart contract development

## **Cairo Camp**

Encode Club – StarkWare smart contract development

## *SKILLS & INTERESTS*

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### TECHNICAL SKILLS

- Virtual machine architecture understanding
- Smart contract development expertise
- Blockchain engineering knowledge
- Linux competency skills
- Docker and Kubernetes
- JavaScript, Node.js, React, Python, SQL
- Smart contract development best practices
- Ethereum ecosystem familiarity
- Solidity security testing tools
- Microsoft Office proficiency
- AWS experience

### PROJECT MANAGEMENT SKILLS

- Prioritization and problem-solving
- Strong project management
- Team oversight and accountability

### INTERPERSONAL SKILLS

- Excellent interpersonal and communication

**Interests:** Architecture, Abstract Art, History, Basketball, Football, Soccer, Traveling, Fitness