

Kris

Senior Blockchain & Full Stack Software Engineer

SUMMARY

- Engineer who has 6+ years of experience with many programming languages, frameworks, and platforms; - 2+ years experience with developing smart contracts on Rust; - Solid skills with Solidity; - Working experience in building an NFT marketplace platform on Polygon and Binance Smart Chain using ERC-721 and ERC-1155; - Experience with ether.js, web3.js, and JS/TS frameworks; - Familiar with blockchain Ethereum, Binance, Tron, Solana, Polkadot, Tezos, Polygon, Huobi ECO chain, etc; - Deep knowledge in implemented Metamask, Torus, and other wallets to increase user experiences with the web apps; - Advanced English; - Available ASAP.

TECHNICAL SKILLS

Main Technical Skills	Solidity, Rust (2 yr.)
Programming Languages	C++, Go, JavaScript, PHP, Rust (2 yr.), Solidity, TypeScript
JavaScript Frameworks	Angular, NestJS, Node.js, React, Vue.js
JavaScript Libraries and Tools	Ethers.js, Web3.js
PHP Frameworks	Laravel
Databases & Management Systems / ORM	MongoDB, MySQL, SQL
BlockChain and Decentralized Software	Anchor, Binance, BSC, DAO, Dapp, DeFi, DEX, ERC-1155, ERC-20, ERC-721, Ethers.js, ETH (Ethereum blockchain), EVM, Hardhat, HTX ECO Chain (Heco), Hyperledger, MetaMask, NFT, NFT marketplace, Phantom, Polkadot, Polygon, Smart Contract, Solana, Tezos, Torus, Tron, Truffle, Web3
UI/UX/Wireframing	Principle
SDK / API and Integrations	RESTful API
Other Technical Skills	SSV network

EXPERIENCE

Crema Finance, Blockchain Engineer

Duration: February 2024 – present



Responsibilities:

- Contributed to the design and develop DeFi platform on Solana
- Successfully launched various new tokens on Solana.
- Created Solana volume bot on Raydium and Moonshot to manage token volume.
- Designed and Developed a DeFi smart contract on Solana using Rust and Anchor.
- Responsible for creating front-end and back-end by integrating with the on-chain Solana ecosystem using Web3 Solana.
- Improve and update the ecosystem by interacting with user's experience.

Technologies: Solana, Rust, Anchor, DeFi, Web3, Raydium, Moonshot.

Blockchain Full-Stack Engineer, Balance Capital (formerly FantOHM)

Duration: February 2021 – January 2024

Responsibilities:

- Designed and implemented critical core smart contract functionality for staking and bonding in DeFi protocol;
- Developed a high-performance and scalable dApp application that utilizes multi-threading to efficiently retrieve blockchain data and process it using advanced statistical and financial analysis methods;
- Developed the Ethereum staking engine by integrating the SSV network;
- Established the foundational infrastructure of a blockchain network using Go, and Rust and developed multiple open-source libraries for building decentralized applications, while also implementing methods for retrieving blockchain data off-chain;
- Designed and deployed a stablecoin protocol on blockchain networks and established a secure and reliable bridge between multiple networks;
- Developed an NFT Lending platform, implementing multiple wallet integration to enhance user interface and experience, additionally constructed a traditional finance protocol and established a large Automated Market Maker (AMM) on a Decentralized Exchange (DEX);
- Typically participate in both front and back-end development of protocols, integrating smart contracts into applications and utilizing my programming expertise to introduce core logic, while also providing mentorship to others;
- Improving protocol security, debugging issues encountered by users, and problem-solving to enhance user experience conduct research on emerging blockchain technologies and explore their potential to enhance the protocol.

Technologies: Ethereum, Rust, Solidity, DeFi, Web3, NFT, Go.

Full Stack Engineer, Blockchain Developer, Lifty (United States)

Duration: April 2019 – December 2020

Responsibilities:

- Constructed an NFT marketplace platform that facilitates the linkage of game components and digital arts on Ethereum, Polygon, and Binance Smart Chain using ERC-721 and ERC-1155;
- Executed various typical NFT marketplace features;
- Designed and implemented Smart Contracts, including auction and sale contracts, utilizing the proxy design pattern for both transfer and service proxies;
- Collaborated with front-end and back-end developers to provide tools for interacting with smart contracts and contributed to urgent dApp development when necessary.



- Developed a gaming engine infrastructure with NFTs, stored large amounts of data on cloud services, and improved the user experience by upgrading the front-end interface;
- Improve the protocols through effective communication with the users.

Technologies: Ethereum, Polygon, Binance Smart Chain, Solidity, DeFi, NFT.

Smart Contract Engineer, Intercoin (United States)

Duration: December 2017 – February 2019

Responsibilities:

- Developed the TradedTokenContract and TradingApp to operate on both the Ethereum and Binance Smart Chain networks;
- Assisted in resolving critical issues with smart contract developers and successfully integrated the TradingApp;
- Provided support for ongoing projects to ensure successful launch;
- Developed a multithreaded module in C++ to conduct financial processes and redesigned user interfaces using ReactJS for an improved user experience;
- Collaborated with the backend team to develop a customized relayer, while integrating TradingView charts into the frontend to enhance user experience;
- Designed and developed a robust exchange and trading platform to support the TKZ and XR cryptocurrencies.

Technologies: Ethereum, Binance Smart Chain, Solidity, DeFi, C++, React.

Full Stack Engineer, The Software Practice (Singapore)

Duration: March 2015 – October 2017

Responsibilities:

- Collaborated with my team members to establish standardized backend conventions, principles, and patterns;
- Utilizing PHP, Laravel, and MySQL servers to design, develop, debug, test, ensure browser compatibility, and implement website code;
- Investigating, designing, and implementing scalable applications that perform data identification, analysis, retrieval, and indexing;
- Provided regular consultation to customers regarding project status, proposals, and technical issues;
- Applied web design and development principles to construct reliable software;
- Created modular and reusable code components and libraries that can be leveraged across multiple projects in the future;
- Developed the backend RESTful APIs utilizing Node.js and Laravel.

Technologies: PHP, MySQL, RESTful API, Node.js, Laravel.

Volunteer Jobs, Red Cross Society

- Animal shelter volunteer. Collaborated with 18 out-of-state rescues to save the lives of 800+ dogs and cats.
- Church volunteer. Led a team of 10 community fundraisers that raised \$3,000 for charity.



EDUCATION

Master of Computer Science, University of Technology and Design

2008 - 2012

AWARD

Student Leader reward

2011

- Kris demonstrated excellent leadership skills and contributed to the SUTD community through his multiple roles as a student leader in Vertex Club and House Guardian EXCO.

