

Lao Xiong

1021 BRISTLECONE WAY, MODESTO, CA 95351 • (747) 234-5008 • chris7top@gmail.com

SENIOR SOFTWARE ENGINEER

Thinking “out of the box” to provide software-based solutions

“

A senior software engineer and advisor with 5 years of experience with proficiency in developing a **new Blockchain, Layer 2 solutions, DeFi protocols, NFT & Metaverse** spaces, and various of **dApps** over modern Web technologies. Practical experience and deep knowledge of **UniSwap, SushiSwap, Aave, Compound** and **MakerDAO** protocols. Loves to create flawless Frontend pages with **React/Vue** and backends based on **NodeJS, Python, GraphQL** and **Golang**. He believes himself as a **result-oriented engineer** and **strong communicator** who understands the remote work culture and loves to see his customers making a **fast ROI** from the products he built. He is also passionate about challenging new technologies and innovative ideas to proceed the business growth in the blockchain world. With brainstorming activities, his problem-solving ability will satisfy your business by providing a high quality of work.

PROFESSIONAL EXPERIENCE



EncrypGen, New York, NY

Blockchain Engineer (Nov 2020—May 2022) - Remote

- Developed smart contracts for exchanging sensitive DNA records, with implementing access control considering stake holders and time dimensions.
- Encrypted genomic DNA records with cryptography and stored keys on a HSM.
- Designed smart contracts for the Gene-chain marketplace and First Sealed Bid DNA auction.
- Implemented smart contracts for their Membership, Utility tokens, Giveaway, Airdrop, and Token Sale.
- Integrated non-custodial wallets like MetaMask and Blocto into the project’s custom wallet.
- Built dApp frontend with ReactJS + web3.js
- Built a robust and scalable web app and wallet API with NodeJS and GraphQL
- Developed smart contracts for registry, swap, LP token contracts, and deployed on BSC.
- Implemented Swap protocol contract using PancakeSwap DEX protocol.
- Developed a DeFi (Decentralized Finance) DApp to perform token staking and issue rewards to members with new tokens.

BCT

Blockchain Technologies, LLC, Chicago, IL

Solidity Developer (Oct 2018—Nov 2020) - Remote

- Worked with various clients to launch generative NFT PFP collections on Ethereum/Polygon blockchains.
- Developed gas-optimized ERC-721/ERC-1155 smart contracts based on the specific needs of each client.
- Built a system to automate NFT smart contract deployment and minting on EVM blockchains.
- Built systems to allow presales and AllowLists, and token-gate collections by importing specific NFT contract addresses.

- Creation of a university degree issuance and validation system by developing a protocol implemented with smart-contracts using Solidity, IPFS and React.



ProForce Consulting, Los Angeles, CA

Senior Fullstack Engineer (Mar 2017—Oct 2018)

- Proficiently troubleshoot simple and complex technological issues for different assigned projects, achieving over 95% customer satisfaction rate.
- Enhanced the application's features to effectively fix the bugs and optimize the overall performance, reliability and efficiency.
- Utilized software engineering expertise to develop products throughout the software lifecycle to boost business efficiency from ideation and requirements definition through to development and successful deployment.
- Documented all supported systems and applications to effectively train the new and existing team members.

Frontend Engineer (Sep 2015—Feb 2017)

- Identified necessary improvements and introduced several mechanisms to improve project quality.
- Formulated and implement improvements on cleanup processes and performance, minimizing downtime by 10%.
- Proactively liaised with the design team to ensure efficient and timely delivery of significant projects.
- Designed and executed a brand-new customer resolution management tool through React.js and Java to efficiently monitor, encode and resolve customer questions/concerns.

EDUCATION & CREDENTIALS



University of Helsinki, Finland

Bachelors Programme in Science, 2009 – 2012

TECHNICAL PROFICIENCIES

Blockchain: Solidity, NFT, DeFi, Pinata/IPFS, Filecoin, Hardhat, Truffle, OpenZeppelin, DAML, Corda, Cosmos SDK

Front-End: React, Redux, Next.js, Vue.js, Tailwind CSS, Storybook, Apollo GraphQL, Web3.js, Ethers.js

Backend: REST API/GraphQL, Django, Java, Golang, Rust, C++

DB Administration: PostgreSQL, MongoDB, DynamoDB, Firestore, MySQL

Serverless: AWS Lambda, Google Cloud Function

Cloud AWS, S3, Heroku, Vercel, Render, Netlify