

Dong Liu

Senior Blockchain Full Stack Engineer

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SUMMARY

An energetic full stack & blockchain engineer with 12 years of professional experience looking to contribute knowledge in web and blockchain technology. Proficient at performing well as working in a group or independently in a fast-paced setting. Deep understanding of distributed ledger, blockchain safety, blockchain design principles, and various blockchain protocols and environments.

Also, I am a prolific, animated full-stack web developer with a passion for metrics and beating former 'best-yet's with a strong focus on Nest.js, React.js, Vue.js, Node.js, Ruby on Rails, Django & Laravel.

EXPERIENCE

Cryptool.io — Blockchain Lead Developer

May 2019 - FEB 2024

- Created, reviewed, and tested EVM-compatible smart contracts, ensuring adherence to best practices and security standards.
- Built upgradable contracts using UUPS, Transparent Proxies, and/or Diamonds.
- Developed a decentralized Web3 renting marketplace, facilitating secure and transparent peer-to-peer transactions and implemented cross-chain messaging protocols.
- Implemented seamless integration with Google Sheets APIs for dynamic data retrieval and manipulation, prioritizing security and reliability.
- Built Best Price System that tract user's trades with AWS Lambda
- Big Data management system with Filament and Node Express
- Led the development of an asset ingestion system, improving the platform's efficiency by 30% in managing large-scale digital assets.
- Introduced A/B testing and user impersonation features, leading to a 50% improvement in data-driven decision accuracy and a 35% enhancement in feature testing efficiency.
- Integrated advanced text translation tools, expanding platform accessibility, and increasing global user engagement by 45%.
- Standardized essential React components, reducing development time by 30% and improving UI consistency across projects.
- Collaborated with 5+ cross-functional teams, aligning project

SKILLS

Smart Contracts | Solidity |
Cadence | NFT | DEFI | DEX

React | Vue | Web3 JS |
Ether.js | Django | Laravel |
Filament | Node | NestJS |
Rails | Golang | ASP.NET |
C/C++ | AWS | GCP

LANGUAGES

English

goals and successfully overseeing the Wonderland project, which accounted for 20% of the company's annual revenue.

- Delivered a highly scalable digital assets management platform, achieving 100% of project milestones on time and maintaining top-quality standards.
- Recognized for exceptional problem-solving, contributing innovative solutions that enhanced user experience and improved platform performance by 25%.
- Directly contributed to a 20% increase in platform efficiency through code optimization and feature enhancements.

TendieSwap — Lead Full Stack and Blockchain Engineer

MAR 2020 - MAY 2022

- Built bridges, layer2 solutions and smart contracts like token, sale, auction, staking for NFT marketplace.
- Created TradedTokenContract, TradingApp that work on Ethereum, Binance Smart Chain Network.
- Implemented Dapp, Metamask, and other wallets to increase user experience with React and Filament by Laravel.
- Ethereum stable coin integration, stellar stable coin integration, solidity, AWS lambda, web3

EncrypGen — Blockchain Developer

MAY 2018 - FEB 2020

- Developing and testing the smart contracts in private networks and deploy in a blockchain.
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- Interacting with deployed contract instances using truffle on the private blockchain.
- Connected frontend with backend using Restful api and GraphQL.
- Initiate a transaction and verify the transaction on the blockchain.
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- Connected frontend with backend using Restful api and GraphQL.
- Initiate a transaction and verify the transaction on the blockchain.
- Created a multithreaded Solidity application for retrieving data from blockchains and processing it for financial, statistical analysis.
- Help to solve the critical issues with smart contract developers and integrate TradingApp(React).

- Supported ongoing projects for launch

Singapore Press Holdings — Full Stack Developer

June 2015 - APR 2018

Stack: React, Django, django-rest-framework, django-allauth, Celery, Webhook, Redux, Saga, AWS, CircleCI, Particle Cloud, Python/C Firmware

- Built web dashboard for showing sensors, alerts, reports, contaminations
- Data visualization by D3 and React chart libraries and customization for UI requirement
- Showed contamination of water utilities all over the United States
- Composed front-end app structure & built React components and UI from given mockup
- Consumed data from Django via rest api
- Sent water contamination data from distributed sensors to server and handled using webhook
- Built Python scraping script as a Django custom command to build initial DB data
- Wrote service in Django Rest Framework
- Wrote sensor firmware in C to detect water quality
- Webhook handler in Django to handle sensor data from Particle Cloud
- Test code for both React and Django
- AWS S3 and Cloud front for serving React production
- AWS EC2 and Elastic beanstalk for backend
- AWS RDS for Postgresql
- CI/CD with CircleCI to deploy on AWS EBS

Lucid, LLC — Front End Developer

APR 2012 - MAY 2015

- Created a photo and video contest web app for a US startup, users could upload photos and videos and could participate in contests where the best upload would get prizes. The app was made with scalability in mind.
- Participated in a campus cloud project which is the admin dashboard for student experience management.
- Developed several pages in pixel-perfect from the Figma design using React.

- Built interactive components and pages using Redux and Saga •
- Worked on bug fixes, updated features in Rails
- Improved api endpoints to meet Rest way in Rails
- Grouped modules and revamp some modules to follow DRY principle in Rails

EDUCATION

National University of Singapore — *Bachelor's degree, Computer Science*

2008 - 2012

Activities and Societies:

- Followed my passion in a core of prototyping and cloud computing classes
- Excelled in user experience and UIs
- Pursued a Generalist Scholars grant to study software architecture
- Wrote a column on the future of the internet for the student paper