

Kyle Chan

Senior Blockchain & Full Stack Developer

SUMMARY

- Always Open to Remote Job -

Energetic software engineer and innovative optimized solution seeker with + years of experience developing robust code for high-volume businesses with a strong focus on Solidity, Web3.js, Ethers.js, React.js, Next.js, Vue.js, Angular.js and Node.js.

Have solid and extensive experience in the design and development of enterprise and fintech systems and developed a backend for exchanges, auction platforms, gambling systems, marketplaces, and a couple of arbitrage and market maker bots.

Also, I am a prolific, animated full-stack web developer with a passion for metrics and beating former 'best-yet's.

Passionate about building world class web applications.

EXPERIENCE

Sports Betting dev — Full Stack Developer

April 2022 - Dec 2023 (startup project)

Stack: Solidity, Web3.js, TypeScript, React.js

- Developed sports betting site for fullstack dev(vigbets.com)
- Developed Landing page and Main frontend, backend, API

Integration

Bunzz Dev — Blockchain Developer

Dec 2022 - March 2023

Stack: Solidity, Hardhat, Web3.js, TypeScript

- Developed several types of Bunzz solidity modules like DEX, DexAggregator
- Write the whole scripts, specification and documentation
- Review other modules of community developers and audit the modules

Omniverse Labs — Blockchain Full Stack Developer

May 2022 - Nov 2022

Stack: Node.js, Next.js, Web3.js, Moralis SDK, DApp

- Created the REST-API for the Cross Chain NFT marketplace
- Developed DApp for the Cross Chain NFT marketplace
- Integrate Moralis and Alchemy API for the NFTs and Collections

SKILLS

React.js | Next.js | Vue.js | Angular.js | Nuxt.js | Node.js | GraphQL | Web3.js | Ethers.js

Smart Contracts | Solidity |

Rust

Django | Laravel | Node | Rails

C/C++/C#/ASP.NET

AWS | GCP

Javascript | TypeScript | Ruby | Golang
PHP | Python

LANGUAGES

English

Chinese

- Implemented and deployed the graph for the activities of the NFTs

Upwork — Blockchain & Full Stack Developer

May 2021 - May 2022

Stack: Smart Contract, Truffle, Hardhat, Solidity, DApp, Web3

- Created and deployed staking / farming contracts for the platform token
- Forking uniswap / pancakeswap and develop lottery
- Presale / ICO / IDO / IGO / STO Development
- Developed ERC-20, ERC-721, ERC-1155 tokens
- Crosschain bridge smart contracts and NFT Marketplaces
- Created dApps for the contracts
- Developed a GraphQL API in Node.js (Apollo) for serving the web application.
- Implemented and deployed the graph for the farming contract all events and allowing more advanced queries

Baron — Senior Blockchain Developer

February 2019 - January 2021, Full time

Stacks: Defi, Smart Contract, Solidity, PoS Bridge, Layer2

- Group transactions in a batch to save user gas & cost
- Built proxy contract
- Implement router , master/slave contract
- Implement PoS bridge for cross layer token transfer and sharing data
- Security measurement
- Developed an ERC721 token contract as well as smart contract for democratic voting by token holders
- Demonstrated wallet generation, ether and token transfers, balance checks, and listening for events
- Advised on best security practices
- Built a backend server for monitoring Ethereum contracts and creating transactions
- Developed DApps using React and Vue
- Optimized the smart contract code and increased the efficiency by 15%, using the Library functionalities of the solidity

Baron — Full Stack Developer

March 2016 - January 2019

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

- Composed front-end app structure & built React components and UI from given mockup
- Built web dashboard for showing sensors, alerts, reports,

contaminations

- Data visualization by D3 and React chart libraries and customization for UI requirement
- Consumed data from Django via rest api
- Showed contamination of water utilities all over the United States
- 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

Baron — Development Intern

May 2015 - February 2016

Stack: Django, django-rest-framework, django-all-auth, React.js, Redux

- BetaSmartz finances in React.js & Django
- Implemented on-boarding UI with React & Redux
- Built bridge between frontend and backend with restful APIs
- Built React form in wizard style with complex validation process
- Enrich dashboard with statistics & portfolio reporting feature
- Drove best practice implementation for 7 employees across multiple departments
- Contributed new ideas and best practices to the team, building boilerplate codes of the projects for the team members to start

EDUCATION

Hong Kong University of Science and Technology — Bachelor's degree, Computer Science

2011 - 2015

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