

# Karl Chong

## Senior Web & Blockchain Developer



### Personal Information

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### Profile

- 8+ years of experience in building web site with javascript frameworks, node.js frameworks and php frameworks.
- 5+ years of experience in creating the project with ruby on rails
- 3+ years of experience of blockchain developing including DeFi, Dao system, dex site, NFT minting, NFT market place and NFT staking on serveral net
- Develop high traffic, large scale and concurrent web applications using various server-side languages like Java, Python, Javascript, and PHP
- Ability to manage full implementation life cycle from technical requirements, solution design, development, testing, documentation through production roll out

### Skills

**Languages:** Javascript / Typescript, Ruby, Rust, Solidity, HTML5, CSS3, PHP, Java, Python, Go, Dart, C/C++

**Frameworks:** React.js, Angular, Vue.js, React Native, Ruby on Rails, Flutter, Next.js, Nuxt.js, Express.js, CodeIgniter, Laravel, Django

**DevOps:** AWS services, GCP, CI/CD pipeline, Vercel

**Services:** RESTful/GraphQL API development, Stripe and BrainTree API, Apollo, Firebase, Git, Jira, Asana

### Work Experiences

- Apr 2022 – current **Full-stack Developer**  
Overflow (*Japan*)
- Building the web development service connected to Gira, Slack, Figma and so on with ruby on rails and nuxt.js.
- Feb 2017 – Sep 2019 **Full-stack Developer & Front-end Lead**  
OPTASY (*Oakville Canada*)
- Developed E-commerce platform using React for frontend and ruby on rails for backend.
  - Developed Responsive Websites that could be served by desktop, Tablets and mobile devices using Vue.js and React.js.
  - Integrated payment system for product checkout using Authorize.net payment API.
  - Developed NFT market places like evolvingforest.io and genies application with the development of React/ Typescript / Next.js.
  - Worked with backend engineers to optimize existing API calls to create efficiencies by deprecating unneeded API calls.
- Sep 2019 – Apr 2022 **Blockchain Engineer & Project Manager**  
SPIRIA (*Montreal Canada*)
- Built first biggest NFT Marketplace of digital art on Binance Smart Chain. Used

ERC-721, ERC-1155 both for NFT and BEP-20 for governance token.

- Developed whole smart contracts from scratch and past the Audit from SlowMist.
- Built token bridge between Binance and Ethereum so that users are able to migrate their NFTs from ETH to our platform.
- Implemented NFT fractionalization so that users are able to co-won NFT and decide further steps like sale, auction, airdrop together.
- Developed on-chain & off-chain governance protocol with FINE token so that users are able to make decision of adding new features and modifying current functionalities of platform.

Jan 2015 –  
Feb 2017

### **Full-stack Developer**

*QDS (Singapore)*

- Developed many responsive websites using MERN stack, Next.js and Nuxt.js.
- Integrated payment system for scheduling site – 30mins.com
- Designed the Ecommerce site and developed with ruby on rails - <https://www.groupon.com/>

## **Education**

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2008 – 2013    National University of Singapore  
M.A. in Computer Software Engineering

## **Languages**

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**English : Advanced**

**Chinese: Advanced**

**Japanese: Intermediate**

## **Projects**

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**Dex Stie — <https://snowswap.org>**  
Blockchain Site

- Vue.js, Material UI
- Solidity
- Metamask, Phantom wallet
- Mocha

**Ecommerce Site —**  
**<https://www.groupon.com/>**  
Ecommerce Site

- React
- Ruby on Rails
- Stripe Payment
- Github, Git actions

**Buiness Site — <https://cloud-coach.jp>**  
Feel free to consulte

- Apach server
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- VueJS
- Payment
- Core.js

**Versured Site — <https://versured.com/>**  
Making insurance easier for everyone

- React

- HTML5/CSS/JAVASCRIPT
- API Integration
- Github, Git actions

**Reasearch Site — <https://trulia.com/>**  
Discover a place where you love to live

- Next.js
- Express
- Stripe Payment
- TailwindCSS, Sass, Typescript
- Github, Git actions