



Liu Wen

Software Engineer

Details

- Mong Kok Street, Hong Kong, Hong Kong
- Hong Kong +852 24633195
- AUG-11-1994
- liuwentalent0811@gmail.com

Link

-  liuwentalent0811@gmail.com
-  <https://github.com/galaxy-comet>
-  live.ccid.6fd1d50a768dc7b
-  <https://t.me/LiuWen811>
-  <https://liuwentalent0811.wixsite.com/mypage>

Language

Chinese

English

Hobbies

- baduk
- Chess
- Reading

The computer is a part of my life and I can't imagine my life without it. I like and confident coding.

Introduce

I'm a full stack & blockchain developer who has experience of 8 years and handled many projects for businesses from startup to large scale and troubleshooting for many startups and firms.

My experience enables me to make business success of clients. I can bring my successes and experiences to your job and I am a life-long learner and is looking forward to working on exciting and challenging projects and I am continuously trying to improve, learn more and gain new experiences.

I understand that every project that represents a business plays a very important role in its growth and I will devote all my passion for you and your business success.

Some cool facts about me is that I can work full time for your project on your time zone and I can deliver 100% result. Also I am innovative and strategic thinking professional with a proven track record of consistently going above and beyond in meeting customer needs and providing more value to the product than what the customer is paying for.

I am willing to do any kind of test project to demonstrate my skills and ability and also you won't pay anything if I couldn't complete the project in time and I saw you had an issue with your developer because of the differences of timezone, I am pretty sure that I can work in your timezone, I'm located in Canada, I can work in your timezone for sure. For this reason, they always get back to me again and again with promising ideas and projects.

The world will see the great result from my hands.

Skill

- Blockchain
- Solidity / Rust
- Smart Contract
- Non-Fungible Token(NFT)
- Web3.js / Ether.js
- Remix / Hardhat / Truffle
- React.js / Next.js
- React native
- Angular
- Vue.js / Nuxt.js
- JavaScript / TypeScript
- Redux
- Node.js
- Python
- Express.js
- PHP
- CodeIgniter
- Laravel
- GraphQL
- Django
- Nest.js
- Sails.js
- Ruby / Ruby on Rails
- Flask
- Golang
- Symfony
- NestJS
- MongoDB
- MySQL
- Firebase
- MariaDB
- Oracle
- SQLite
- SQL
- NoSQL Couch & Mongo
- PostgreSQL
- CSS/LESS/Sass/SCSS
- Bootstrap
- Material UI / Ant Design
- Tailwind CSS
- Semantic UI
- C++ / C# / Java / Unity
- Git / GitHub / GitLab

Skills

1. Blockchain Development

- Smart contract development in networks (Ethereum, BSC, Matic/Polygon, Cardano) by using Solidity.
- Solana smart contract development (Unit test, Rust cosmowasm, solana-program-library, Solana-web3, Raydium integration) by using Rust and Anchor framework.
- Front-end development interactive with smart contract by using Web3, truffle, Ether.js, React.js(Redux / Thunk / Saga), Angular and Vue.js.
- ICO, IDO, Defi Swap, Dex, Cex, Dapp, Reward system for staking, AOM(Olympus DAO Fork), Hyperledger Fabric.
- NFT minting and NFT marketplace development(Create listing by admin, fiat & Crypto payment, Bundle Sale/ Bulk Transfers, Drops, Rating, Bidding & Auction).
- Several bot development by using Python or Node.js.
- Unity Games, NFT Games, Casino Games, Multi Games and Metabase Game that realized blockchain.

2. Back-end developments

- Languages and Frameworks: Node.js, Typescript, C# (ASP.net, windows Forms, WPF) , PHP, Laravel, Codeigniter, Python, Django, GraphQL, Nest.js, Sails.js, Ruby, Ruby on Rails and Flask.
- Software tools and Utilities: ContentGrabber, Tomcat, Apache, CVS, SVN, github, bitbucket, gitlab.
- Web Servers/App. Servers : Apache, Web Logic, IIS, NGINX, EC2 / AWS, Google Cloud Platform.
- Database Technologies: SQLite, MongoDB, Elasticsearch, MySQL, PostgreSQL, Oracle, MS SQL 2008 R2 and 2012.
- IDE: Aptana Studio 3, Eclipse, Netbeans, Wing IDE, SciTE, Ms Visual Studio 2010, Sublime Text, Notepad++.
- CMS (WordPress, Joomla, Drupal, Magento).
- Bug tracking/Management tools: Starteam, tortoiseSVN, tracTickets(ticketing system), Redmine, JIRA, EasyBacklog, Trello Others: AWS and Azure devops, Docker, Social Media APIs (Twitter, FB, Linkedin, Google) , CRM APIs (Copper API), Shopify API, RESTful APIs.

- Operating Systems: Linux Mint, CentOS, Sun Solaris, Ubuntu, RedHat Linux, Windows XP. Windows 7, Windows 8, Windows 10.

3.Front-end/JavaScript Frameworks

- TypeScript, JavaScript (ES5/ES6/ES7+, Babel)
- React, CRA, Next.js
- Redux, MobX
- Vue.js Vuex, Vuetify
- Tests: TDD, Jest, Mocha, Storybook, Puppeteer, Enzyme
- HTML5, CSS, SCSS/SASS/LESS, animation,
- Bootstrap, Tailwind CSS, Styled Components, Material UI, Sematic UI, Anto Design, Fabric.js
- UI/UX, responsive web, Material UI, Bootstrap, Zurb Foundation
- Webpack, npm, yarn, Git.

4.Mobile Developmens

- Development using Flutter, React Native, Ionic framework, Objective-C, Swift 5 programming languages .
- Apps for iPhone, iPad and Apple Watch devices.
- Any app category or theme.
- Also, building native app prototypes.
- Clean software architecture: MVC, MVP, MVVM
- Databases: Firebase, SQLite, iCloud storage, MongoDB, MySql Notifications: Push and/or Local, Calendar, Alarm, Reminder Analytics: Google Analytics, Flurry, AppsFlyer.
- Social Networks integration: Facebook, Twitter, Instagram, LinkedIn Google Map Service, MapBox.
- Web services, Restful APIs, HTTP, JSON, XML, RSS, SOAP, PHP, HTML, HTML5.
- Platforms: Linux, iOS, Amazon Web Services, OS X, Windows
- Misc: JIRA, Asana, Trello, Bitbucket.
- In-App Purchases / IAP: consumables, non-consumables, subscriptions.
- Payment gateways:Stripe, Braintree, Paypal, Authorize.net
- Ads: AdMob, RevMob, ChartBoost, Apple iPad

Employment History

Blockchain Engineer at 1Hive, Toronto, Canada

Feb, 2021 – May, 2022

- Developing swap contracts using Uniswap V2 protocol. Honeyswap is a multichain DEX aggregator enabling Swaps, Staking, Flash Loans, and Oracles.
- Developing swap DApp using React, Redux and subgraph.
- Acquired a deep understanding and experience writing smart contracts, best practices of smart contract security and Blockchain design patterns.
- <https://app.honeyswap.org/#/swap>
- <https://1hive.io/#/farm>

Web & Blockchain Developer at Ranosys, Secret Plus, Singapore

Mar, 2020 – Jan, 2021

- Developing Enjin Platform (main cloud-hosted service) to connect games to Ethereum Blockchain.
- Mainly developing and launching Enjin's NFT Marketplace where unique fungible or non-fungible ERC-1155 tokens can be traded.
- Developing gas-optimized smart contracts of NFT-based DApp games.
- Storing all media files related to NFTs on IPFS.
- Implementing web design and development principles to build stable web apps.
- <https://enjinx.io/eth/marketplace>
- <https://cloud.enjin.io>
- <https://enjin.io>

Blockchain Lead Developer at ZEROBILLBANK, Chiyoda, Japan

Jul, 2019 – Feb, 2020

- Developed whole smart contract from scratch and past the Audit from SlowMist.
- Implemented NFT fractionalization so that users are able to co-won NFT and decide further steps like sale, auction, airdrop together.
- Implement basic functionalities of NFT Marketplace such as sale, auction, airdrop and used proxy for service fee calculation.
- Worked on a POC for an automation reporting tool using all open source software utilizing ELK stack (Elasticsearch, Logstash and Kibana).
- Built web pages for customers using React.js, React native and Redux for responsive and highly-reusable UX/UI system.

Blockchain Engineer at DIGITALAX, San Francisco, California

Jan, 2019 – Jun, 2019

- Building and deploying smart contracts for ERC-20 based token (\$MONA), and ERC-721 based tokens (Genesis MONA NFT and PODE NFT).
- Building and deploying Fashion NFT staking contracts and DApp on Polygon Network for \$MONA rewards because of ensuring faster and cheaper transactions for users.
- Developing DIGITALAX NFT Marketplace for Digital Web3 Fashion NFTs.
- <https://fashion.digitalax.xyz>
- <https://staking.digitalax.xyz>

Senior Blockchain Engineer at Nifty Royale, San Francisco, California

Jul, 2018 – Dec, 2018

- Developing gas-optimized NFT smart contracts on Ethereum network.
- Developing a smart contract for the main game logic on Polygon using Chainlink VRF and Keeper.
- Storing all media files and metadata on Pinata to make the loading speed faster.
- Developing the DApp by implementing the best UX, and deploying the site on Amazon S3 and CloudFront.
- Developing the admin site using Next.js, and deploying the site on Amazon EC2.
- <https://niftyroyale.com>

Blockchain Developer at Konfidio, Berlin, Germany

Jan, 2018 – Jun, 2018

- Developed on-chain & off-chain governance protocol with MERCER-based tokens so that users are able to make decisions of adding new features and modifying current functionalities of the platform.
- Strategic and management consulting for blockchain and cryptocurrency, from ICOs to capital raises to systems design.
- Built and launched Smart Contracts for Genesis NFT, PODE and Marketplace as well. Prefer to use ERC-721 based NFT rather than ERC-1155.
- Also built Staking Rewards contract, so investors earn MONA tokens by staking NFTs and LP tokens.
- Demystified Blockchain technology by offering blockchain workshops and events.
- Worked on a Blockchain app that utilizes the Ethereum Blockchain for the creation of a supply chain management system interface using React.js

✓ **Software Engineer at Kakbima, Signify, Germany**

Mar, 2017 – Jan, 2018

- I took part in designing and developing a back-end micro-service for an insurance SaaS platform currently being used by 2 major insurance companies and over 300 agents and Brokers.
- The platform aims at managing policies, claims, quotes and other insurance services and consolidating this information at a central point for every customer and producer.
- I used Django, Ariadne, Postgres and Apollo Federation in building some of the back-end GraphQL API features.
- Hosted the services to AWS EC2 and set-up an AWS S3 for storing files.
- I led the front-end team in consuming the the Api with React and Apollo Client.
- Skills Used: Python, Django, Postgres, React, GraphQL, AWS, Link to the project: <https://accounts.kakbima.com/>
- Skills Used: Redis, Sails Js, Vue.Js, Nodejs, MongoDB Link to the project: <https://foodjaar.com>

✓ **Software Engineer at ConversionSpree, Missouri, California**

Apr, 2016 – Feb, 2017

- Working as full stack software developer in an extensive test driven, peer code review and developer friendly environment.
- Developing new features as well as collaborating with finance, marketing and operation teams to address system issues.
- Designed & developed end to end Cash On Delivery(COD) for orders, it increases company sales by 20% per week. Debugged.
- reproduced and resolved real time issues while launching Cash On Delivery Optimized background jobs processing and developed tool to manage & monitor background jobs.
- Designed & developed Plus Membership feature, a time based shipping subscription fee for customers, integrating payment gateway for automatic recurring charging.
- Implemented multi purpose system wide OTP(One Time Password) API to access system resources i.e. login, password reset, third party order page access, checkout confirmation.
- Developed LMS(Learning Management System), Food Risking Tool and Company website.
- <https://isoimplementationsoftware.com>
- <https://gosmartacademy.com>
- <https://qualitycircleint.com>

✓ **Full Stack Developer at BloodMatch, Signify, Germany**

Aug, 2015 – Mar, 2016

- Developed an Intelligent Chatbot using PHP CodeIgniter, Facebook API and Telegram API and stored data in a MySQL database and Redis data store.
 - Integrated Wit AI (wit.ai) and Dialogflow for Natural Language Processing (NLP).
 - Integrated Google Maps API to fetch Hospitals closest to a Donor.
 - Wrote an algorithm to match blood recipients to the nearest blood donor based on their locations.
 - Developed a CMS in PHP Laravel to create, read, update and delete data.
- *Skills Used: MySQL, Laravel, Google Maps API, PHP, Facebook API Link to the project: <https://jbloodmatch.org>*

✓ **Frontend Developer at Vinova, Midview, Singapore**

Jan, 2015 – July, 2015

- Translating design team's UX wireframes and mockups into responsive and interactive UIs using React.js and Vue.js
- Working on providing API endpoints with Laravel, Express.js, MongoDB and MySQL.
- Collaborating closely with the team to support projects during all phases of delivery.
- Maintaining an organized workflow using a project management tool (like GitHub, GitLab)

Education

✓ **Bachelor's Degree of Computer Science, the Hong Kong University of Science and Technology Clear Water Bay, Kowloon, Hong Kong.**

2011 – 2014

Established in 1991, The Hong Kong University of Science and Technology (HKUST) is a world-class international research university dedicated to cutting-edge education and research. The University was founded with a mission to advance learning and knowledge through teaching and research, particularly in science, technology, engineering, management and business studies complemented by humanities and social sciences, and to assist Hong Kong's socio-economic development. In just over 30 years, this young and high-achieving University has risen with miraculous speed to take its place among elite institutions, climbing to the peaks of international esteem and receiving numerous honors and accolades.

I learned information technologies for 4 years and I graduated from the university with a Bachelor of Computer Programming in Information Technology.