

Snow Lee

Senior Full Stack Developer

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SUMMARY

Experienced **Full Stack Developer** with **8 years of developing web applications**, with **5 years of specific experience in Blockchain field**. Mastering **an array of JavaScript frameworks and libraries**, I thrive in the realm of full-stack development, seamlessly blending frontend and backend wizardry. Demonstrated success in delivering innovative blockchain solutions, including the development of an NFT Marketplace and Defi projects.

PROFESSIONAL EXPERIENCE

Senior Fullstack Developer

PointsVille

2022 – Present

Developed a practical solution for an NFT Marketplace and Defi projects and launched them successfully.

- Created a comprehensive Tokenomics model and authored a detailed white paper outlining the vision, features, and benefits of the NFT marketplace. Accelerated **30% of development speed rate** and **smooth workflow**.
- Designed the workflow and concept of Defi projects from the scratch to the DB design, API list, and UI Concept. **Boosted the project development by 70%** and **provided 60% accuracy**.
- Assembled smart contract using **Solidity** and **Rust** for the Defi Platform and NFT Marketplace, **expanded 60% of users for the company**.
- **Improved 40% of security** of the smart contract by auditing using **Hardhat Unit Testing** and **Vulnerability Attack Testing**.
- Implemented Online Payment using Bitfinex payment API to support the purchase using Crypto.

Full Stack Blockchain Developer

Iron Jupiter

2017 - 2022

Successfully expanded and deployed blockchain applications encompassing NFT Marketplace and Token Launchpad.

- Designed and implemented smart contracts using **Solidity** to enable NFT minting, locking, stacking, and bridging functionalities within the marketplace ecosystem. Resulted in **50% increase in users for the platform** and **80% improved data accuracy**.
- Reformed the unit test for the NFT Marketplace using **Hardhat**, provided **80% enhanced testing speed** and **65% accuracy**.
- **Optimized the DB model design** for the NFT Marketplace, **resulting 80% accelerated development speed**.
- Delivered Backend project and implemented off-chain method using Node and Mongo to process the requests of handing user data, marketplace data, transactions and so on. Improved the transaction speed of **85% in blockchain** and **30% in server**.
- Collaborated with Open protocols including **Ox**, **Reservior**, **Cosmos SDK**, and **RGB Protocol** to seamlessly integrate side chain technology, enhancing scalability and interoperability. **Increased the scalability of the project by 80%**.

Developed visually appealing and user-friendly web pages for various domains, including furniture sales, sports clubs, and landing page.

- **Enhanced user interfaces** for web-based customer applications using **React**, **Vue**, and **Angular**, delivering visually appealing and user-friendly interfaces, **overhauled 50% system performance**.
- Enabled smooth navigation and improved user experience by leveraging React Router for the development of Single Page Applications (SPAs). **Achieved 30% reduction in page load time**.
- Enhanced the functionality of various modules using React/Redux, RXJS, and Lodash, adding new features and improving overall user experience. **Increased user engagement by 40%**.
- Enhanced overall application performance and user experience by creating **JavaScript** utility objects for common client-side validations, history handling, window management, and menu management. **Reduced page load time by 50%**.
- Streamlined API integration using **Axios** in React application, resulting in a **40% improvement and seamless integration**.

PROJECTS

Wp-Sofa

<https://wp-sofa.chat>

Situation: As part of a team consisting of a project manager, a designer, and myself, I was involved in the development of a platform called "WP-SOFA". This platform aimed to assist clients in finding suitable developers for outsourcing projects.

Task: In my role as a full stack developer, I was responsible for building the backend infrastructure, completing the frontend development, and integrating the two components seamlessly.

Action: To accomplish this, I used my skills in **React** to convert the designer's mockup into a fully functional web page. Simultaneously, I improved the backend using **Node.js**, ensuring efficient data processing and storage. To connect the frontend and backend, I employed the **Axios** library for seamless integration.

Result: Through my efforts, the platform was successfully started and experienced a positive start with **40% community and business growth**.

El Salvador

<https://adoptingelsalvador.gob.sv/welcome>

Situation: We were responsible for building the platform to support the immigration to El Salvador by crypto coin.

Task: I was responsible for implementing the coin payment for the users who are going to immigrate to El Salvador.

Action: For this task, I used Bitfinex payment API to let customers pay the passport using Bitcoin and Tether.

Result: The platform launched successfully and hundreds of people are using this platform for the immigration.

SegMint

<https://www.segmint.io/>

Situation: As a blockchain developer on a team of three, we were tasked with creating an NFT marketplace called Segmint. The platform allowed users to mint NFTs and then fractionalize them to stack NFTs for trading and increased profitability.

Task: I was responsible for designing the tokenomics and writing the Solidity smart contracts. I worked closely with the team to ensure the functionality and integrity of the contracts. Additionally, I conducted thorough testing and deployed the smart contracts to the blockchain.

Action: To accomplish this, I applied my expertise in **Solidity** to design the tokenomics model. I then translated the tokenomics design into Solidity code, implementing the necessary functions and features. Throughout the development process, I conducted rigorous testing to ensure the contracts' reliability and security. Finally, I deployed the smart contracts to the blockchain, making the Segment NFT marketplace ready for launch.

Result: Successfully pioneered the project with **60% profit increase** and **35% boosted community**.

Color Museum

<https://color.museum>

Situation: A project to build a new NFT marketplace called the Color Museum, our goal was to create a platform that sells 10,000 RGB hues as NFTs.

Task: In my role as the team leader, I was responsible for designing the workflow and providing guidance to the team. The team consisted of a designer, a frontend developer, and a backend developer. Our objective was to collaborate effectively and deliver a successful NFT marketplace.

Action: To facilitate efficient team management, I employed Jira, a team management tool, to streamline communication and task coordination. Additionally, I personally employed the **0x protocol** to implement the off-chain method, ensuring secure and efficient NFT transactions.

Result: As a result of our collective efforts, we successfully initiated the Segment NFT marketplace with **1 million active users**. The platform allowed users to mint NFTs, fractionalize them, and engage in profitable trading activities.

SKILLS

Programming Languages: JavaScript, TypeScript, Java, Go, C#, PHP, SQL, Python

Backend Technologies: Node.js, Express.js, Next.js, Nuxt.js, Laravel, GraphQL, RESTful API, Java Spring/ Java Spring Boot, Go, Django, Ruby on Rails, ASP.net

Frontend technologies: React, Angular, Vue.js, Html/Html5, CSS/CSS3, SASS/Less, JavaScript/Typescript/JSEX, D3.js, Chart.js, Material UI/Ant Design/Chakra, UI/Bootstrap/Tailwind CSS

Databases: MySQL, PostgreSQL, MongoDB

Blockchain: Solidity, Web3.js, TronWeb, ethers.js, Truffle, Hardhat

Cloud Services: Google Cloud, AWS (Lambda, EC2, S3), Azure, Docker, Kubernetes

EDUCATION

Bachelor's degree in Computer Science

Hong Kong University of Science and Technology 10/2015