

Dylan Zhu

Full Stack Engineer

Senior Full Stack Developer with a vast array of knowledge in many different front end and backend languages, responsive frameworks, databases and best code practices. Having extensive experience working with web and blockchain. I am looking to join forces with core technologies to continue to grow my skill set while contributing to the positive outcome.



pauleta0126@gmail.com



Singapore, Singapore



dylanzhu.netlify.app



github.com/jusdy

SKILLS

React/Next.js

TypeScript

Node.js/Express

Vue.js

Jest/Cypress/Mocha

AWS

Docker

Blockchain

Solidity

Rust

Smart Contract

Web3

Solana

WORK EXPERIENCE

Senior Full Stack Engineer

Cosmic Forces

08/2022 - 06/2024

Achievements/Tasks

- Contributed on smart contract development of the game system utilising **Diamond Proxy Pattern**
- Built the 3D car NFT generator for minting animated 3D NFTs with customizing the properties and colors - using **ThreeJS**.
- Built the game dashboard & admin dashboard showing game and NFT status in real time basis utilizing with **React.js**, **AWS**, **MongoDB**, **Subgraph**, **GraphQL**.

Blockchain Developer

Rebate

04/2020 - 06/2022

Achievements/Tasks

- Built the crypto investment platform utilizing **React**, **Subgraph**.
- Implemented crypto payments system on existing company eCommerce product.
- Developed NFT marketplace using **React.js**, **.NET** supporting EVM chains like Ethereum, BSC, Polygon, Avalanche.

Full Stack Developer

SBI Holding

05/2017 - 03/2020

Achievements/Tasks

- Developed **RESTful APIs** for music/video commerce web app using **Django**-Rest-Framework.
- Contributed to building **APIs** for recruiting **CRM** web app using **Flask** and **SQLAlchemy**.
- Developed **GraphQL** API using **Node.js**, **Express.js** and **MongoDB**.
- Advocated interaction design best practices with a focus on consistency and usability.
- Improved live update of app state by using websocket channel events broadcast.

WORK EXPERIENCE

Front Developer

Westgate

04/2016 - 02/2017

Achievements/Tasks

- Integrated Web Admin Panel to IoT projects using **Angular**, **Node.js**, and **AWS EC2**.
- Developed 5+ SPAs using **React/Redux**.
- Used **React.js**, **Node.js** and **MongoDB** to build **RESTful APIs** for live communication for IoT projects.
- Integrated Cloud Services such as **AWS S3**, **AWS Lambda** and **AWS Elasticsearch**.
- Delivered eCommerce sites using **Node.js**, **Angular**, **PostgreSQL** and payment APIs.

PERSONAL PROJECTS

Crypto Perpetual Trading Platform

- Working on the **Smart Contract** development based on **GMX v1** ecosystem for implementing stable coin trading mechanics.
- Led the Frontend team for building web3 interface using **Next.js**, **websocket**, **Wagmi**.
- Manage the **Google Tag Manager** to store the users' activities on **Google Cloud** big storage for analyzation.

NFT marketplace

- Build smart contracts for marketplace logics containing sales, auction, minting, manage NFT.
- Developed marketplace back-end using **.NET**.
- Implement **web3** to the marketplace DApp utilizing **Wagmi**, **RainbowKit**.

3D car Model Generator

- Built the generator using **ThreeJS** with car model customizing functions.
- Developed game dashboard for NFT and game status using **React**, **Node.js**, **AWS**.
- Integrate NFT minting for generated 3d model.

EDUCATION

Computer Science - Bachelor's Degree

Singapore Institute of Technology

05/2011 - 09/2015