

Yang Yi Ming

Fullstack Blockchain Developer



1993.02.25



Singapore



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PROFILE

Dynamic and innovative Full Stack Software Developer with over 9+ years of experience in both frontend and backend development as well as blockchain technologies, specializing in building scalable web applications and e-commerce solutions. Expert in utilizing modern technologies such as TypeScript, React.js, Vue.js, and Node.js, PHP, Python, with a proven track record in the development of crypto backed loan products, web3 gaming, and custom e-commerce websites. Demonstrated leadership in adopting Agile practices and fostering team efficiency. Adept in consistently delivering high-quality solutions in complex, fast-paced environments. Passionate about exploring and integrating new technologies to drive business growth and user engagement.

TECHNICAL SKILLS

1. HTML/CSS, Javascript / Typescript,

- Semantic HTML, Modular CSS, LESS, SCSS, CSS3, Bootstrap, Tailwind, Unocss, CSS Flexbox;
- ES6/ES7/ES8, lodash;
- Understanding browser DOM loading and rendering principles, responsive website development;

2. React/ Vue Framework, UI Libraries, Module Bundler, SSR, HOC

- React, Mobx/Redux/Redux toolkit, React hooks, HOC;
- Vue, Vuex/Pinia, Vue lifecycle;
- Antd, MUI, Shadcn, Chakra, Vuetify, Naive, Pure Admin, Varlet, Vant, Gatsby, React Bootstrap, Storybook;
- Webpack, Vite, Rollup, Next, Nuxt

3. Backend Skills

- Php(Laravel), Python(Django), NodeJS(Express, Nest), Java(Spring Boot), Apollo;
- MySQL, MongoDB, PostgreSQL, Firebase, SupaBase;
- Eloquent, Mongoose, Prisma ORM;
- Rest API, GraphQL;
- AWS EC2, S3;

4. Blockchain Skills

- Ethereum, Polygon, Solana;
- ERC-20/ERC-721/ERC-1155/ERC-1165;
- Solidity, Rust, Web3.js, Ethers.js, Viem.js, OpenZeppelin, Anchor
- Truffle, Hardhat, Remix;
- ICO, Defi, DEX, NFT Marketplace, Stacking, Yield farming, Uniswap, Bridge;

5. Project Management and Test

- Git
- Jira, Trello;
- Jest, Cypress, Chai, Mocha;

WORK EXPERIENCE

2023.12-now

StarryNift

Developer

- Worked as a back-end and smart contract developer in an agile team communicating directly with the CTO.
- Created the user review API, automatic review aggregation engine and embeddable badge generation engine using node.js/typescript and express.js.
- Used MongoDB aggregation pipeline for review aggregation engine, and integrated with smart contract using web3.js to store the aggregation results.
- Implemented CI/CD pipeline to automate comprehensive project testing and efficient deployment processes using Github workflow actions.
- Successfully conducted thorough API testing leveraging the Cypress and Jest testing libraries, while simultaneously generating API document via the Swagger API framework.
- Effectively leveraged Docker to efficiently package, deploy, and manage applications across diverse environments, guaranteeing consistency and portability.

2023.02-2023.11

Scribe Zero

Developer

- Accomplished in building a comprehensive DeFi ecosystem, Token Generation and ICO platforms, 5 play-to earn games, 2 NFT marketplaces including over 20 Web3 projects and tools.
- Developed an automated DEX bot for Burn & Drop and a CEX bot for trading integrated with the Bitcastle CEX platform.
- Designed and developed robust token Bridges for frictionless asset transfers between blockchain networks and implemented Cross-Chain solutions.
- Leveraged Web3.js and Ethers.js to establish seamless interaction between the React.js front-end and smart contract.
- Constructed and integrated an internal back-end synchronized with the blockchain database, utilizing Node.js and Express.js.
- Utilized GraphQL API to enhance communication performance between the front-end and back-end.
- Managed the CI / CD solution for a development team using the CircleCI tool, Bitbucket, Github and AWS Lambda functions.

2020.02-2022.12

Drower Piste Ltd

Developer

- Created the BSC Swap and Farm Contract.
- Developed the smart contracts to interact with Value DeFi protocol including liquidity pools, yield farming strategies and governance mechanisms.
- Tested the smart contracts using Truffle and Hardhat framework and deployed successfully on Binance Smart Chain.
- Integrated the smart contracts with front-end using Ethers.js and Web3.js to enable users interact with liquidity pools, stake assets and participate in yield farming opportunities

WORK EXPERIE

2017.01-2019.12

Commerce Base

Developer

- Improved patient treatment rates by 20% through the developing and implementing of machine learning algorithms..
- Instrumental in designing and developing clinical charts using React.js and D3.js, contributed to patient care during the COVID-19 pandemic.
- Developed and delivered multiple healthcare platforms using React.js, Angular, Vue.js, with Laravel, PHP framework and Node.js while focusing on clear client communication.

2014.10-2016.11

Tensor Inc

Developer

- In an Agile, collaborative environment, effectively gathered design requirements, and conducted thorough application testing, resulting in a notable 25% increase in working speed..
- Leading troubleshooting efforts, fixed more than 300+ bugs and other issues, and updated sites throughout the production lifecycle..
- Created the 100+ complex UI components using react / typescript, html5, css3 and scss.
- Improved the process of storing app state info by implementing the Redux store, and successfully integrated the front-end with Rest APIs.

EDUCATION

2010-2014

Nanyang Technology University

Computer Science and Engineering

Major courses: object-oriented programming, data structure, database principles and applications, discrete mathematics, software engineering, software testing and project management, computer operating systems, computer network principles, computer organization principles, artificial intelligence, computer vision, machine learning application development, natural language processing, etc.

LANGUAGE

- Mandarin
- English
- Japanese