



Front-End Engineer

Ricky Jiang



Recent Professional Projects

○ Domani DAPP / Memento Blockchain [full-stack engineer](2021/10 ~ 2022/12)

<https://dapp.domani.finance>

DOMANI is an asset management protocol that allows anyone to create, trade, redeem, and provide liquidity for tokenized portfolios. The platform uses Vue, Vuex, Ethers.js, Formantic-UI, D3.js, Cypress, Node.js, AWS Lambda, and DynamoDB as its tech-stack.

Key Contribution:

I was involved in both frontend and backend development, and I optimized the development process. With my skills, discipline, and planning, I am able to work independently and deliver high-quality results to the team.

Achievement:

By leading the test-driven development and integrating the E2E test framework Cypress, I reduced the time spent on manual integration testing and enabled the dev team to focus on developing new features and improving code quality. Furthermore, my investigation and concise report helped the team make decisions more efficiently.

○ Tesseract.io [front-end engineer](2020/07 ~ 2021/09)

<https://www.tesseract.io>

Tesseract is a comprehensive business management software that streamlines client management, remote collaboration, billing, and data-driven decision-making. Built with technologies including React, Redux, React-Bootstrap, SASS, jQuery, Webpack and Python.

Key Contribution:

Designed and developed highly reusable React components to enhance consistency and improve code quality while analyzing low performance and lag issues during the operation of the App and providing solutions to make it faster to load and run smoothly.

Achievement:

As the project was in its early stages and the business was complex, the code management was chaotic and large. Through my efforts, the optimized APP greatly enhanced the user experience, and in the later stages of the project, I was able to independently complete very complex interaction interface development and API integration work, my contributions helped the entire team to respond to customer needs faster.



Featured Personal Projects

○ COVID-19 Visualizer (2020/05 ~ 2022/08)

<https://theworldcovid19.info>

Developed a 3D earth visualizing COVID-19 cases worldwide using Amchart and Serverless Framework with AWS (S3, CloudFront, Lambda, Route53), built with Node.js, TypeScript and Webpack to practice and implement data visualization.

○ Turbine JavaScript Library (2019/03 ~ 2019/08)

<https://github.com/ricky-fn/turbine>

Implemented a VUE.js library from scratch for learning with Virtual-Dom, MVVM, Getter/Setter, ES6, Rollup.js, and NPM.



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About Me

With over 8 years of experience as a developer, I bring a wide range of technical skills, including React, React Native, Vue, Node.js, PHP, DynamoDB, and MySQL. My portfolio showcases creating high-performance and scalable cross-platform web apps, participating in android app development and backend development, designing data structures, and developing AWS APIs. I have strong expertise in front-end development with React.js and Vue and have successfully guided junior developers in building projects with them.

Additionally, my ability to communicate fluently in both English and Chinese has allowed me to effectively communicate and collaborate with teams across the globe making me a valuable asset to any team. I have also played a key role in facilitating decision-making processes through my implementation of solutions, investigations of options, and creation of reports.



WORK

Dec 2022
Oct 2021

Memento Blockchain full-stack engineer
<https://mementoblockchain.com>

Responsibilities:

- Developed dynamic and user-friendly front-end UI using Vue.js and Formantic-UI to interact with AWS APIs, blockchains, and user wallets.
- Created highly reusable Vue components to maintain consistency and improve coding efficiency.
- Involved in the development of AWS backends, including designing the DynamoDB database and Lambda functions to provide the RESTful APIs to the front-end UI
- Actively participated in code reviews, providing feedback and suggestions to improve code quality and maintainability.

During my time in the blockchain industry, I faced several challenges. As a newcomer, I initially struggled with understanding the business logic. Additionally, a lack of project documentation and difficulty understanding the codebase made things more challenging. Manual testing was also slow and not always accurate.

To overcome these challenges, I spent numerous hours studying blockchain and created detailed notes to guide my work. I also worked closely with team members to ensure a better understanding of the business logic. To address the lack of project documentation, I developed a note system to track the workflow of the codebase and each feature.

Furthermore, I led the test-driven development by integrating the Cypress framework and writing test files to cover each component. I also integrated Cypress with Bitbucket to automate the testing process. This automation triggers each time a new commit is pushed to the remote repository, significantly reducing manual testing time and improving testing accuracy.

Sep 2021
July 2020

Tessaract.io front-end engineer
<http://tessaract.io>

Responsibilities:

- Collaborated with cross-functional teams across different countries to plan, design, and develop new features for the web application.
- Developed and deployed highly scalable and performant web applications using React.js, and utilized RESTful APIs to create interactive frontend UI.
- Upgraded the theme of user dashboard pages by leveraging React-Bootstrap.
- Conducted impact evaluation prior to development and provided technical support on emergent issues.

Prior to my joining the team, the emphasis was placed on fast delivery of new features rather than code quality and user experience, resulting in a large and disorganized codebase and poor browser performance. Upon joining the team, I upgraded the frontend UI by adopting the React-Bootstrap theme in order to provide a better user experience, and optimized the size of JavaScript bundles to accelerate page loading times, as a result, I was able to reduce the loading times from over 1 minute to just 10 seconds.

March 2020
Nov 2018

Business Solutions and Outsourcing Inc front-end engineer

Led the development of an Android mobile app using React/React Native, and guided junior developers to build front end projects with React.js. Assessed and advised on latest technologies, involved in backend development, used Turbine(personal project) to build complex UI components. Tech-stack included React/React Native, Turbine, PHP, MySQL, Laravel, Jest, Git, and Jira.

Nov 2018
Feb 2015

Qianbao Co., Ltd front-end engineer

Develop responsive design websites and achieved pixel-perfect front-end design that automatically adapts to various phone screens, and optimize the loading speed, and convert the websites to single-page applications. Implemented the front-end build automation for the team using Webpack. Tech-stack: Webpack, SASS, SVG, RESTful API, Mocha, Jira, SVN.