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About Me

Hi, I'm Ricky, a senior front-end engineer with 6 years of experience in building high-quality web applications. I'm also a full-stack developer with a total of 2 years of experience in the industry. I specialize in front-end technologies such as **React**, **Vue.js** and **TypeScript**. I also have experience with **AWS** and have developed serverless web applications using services such as Lambda, S3, and API Gateway. I'm passionate about creating elegant and efficient solutions to complex problems, and I'm always looking for new challenges to tackle. Let's connect and chat about how we can work together to build something amazing!

LANGUAGES

English

Chinese

Full-Stack Engineer
Ricky Jiang

⚙ Working Experiences

Memento Blockchain (2021/10 ~ 2022/12) [Singapore / Remote]
Full-Stack Engineer / Contractor
https://mementoblockchain.com

Tech Stack `Vue.js` `Vuex` `Ethers.js` `Node.js` `AWS` `DynamoDB` `TypeScript`

- Designe and develop custom APIs for the web-based Dapp
- Developing and maintaining the web-based platform using Vue as core stack that allows users to access and manage their crypto assets.
- Integrating external APIs and data sources to provide users with real-time market data and insights.
- Collaborating with the team to design and develop new features that enhance the platform's functionality and user experience.
- Conducting code reviews, debugging, and troubleshooting to ensure that the codebase is free of errors and meets the project requirements.

Tessaract.io (2020/07 ~ 2021/09) [Singapore / Remote]
Senior Front-End Engineer / Contractor
https://tessaract.io

Tech Stack `React.js` `Redux` `React-Bootstrap` `Webpack` `TypeScript`

- 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.
- Led the optimization of website performance and accessibility.

Business Solutions and Outsourcing Inc (2018/11~ 2020/03) [Philippines / On Site]
Front-End Engineer / Full Time

Tech Stack `Vue.js` `React` `Bootstrap` `Jira` `Gulp` `SASS`

- Optimizing web applications for maximum speed, scalability, and maintainability.
- Mentoring and guiding junior developers to improve their skills and knowledge.
- Ensuring that the frontend is fully responsive and compatible with various browsers and devices.
- Collaborating with the design team to ensure that the user interface and user experience align with the project requirements.

Qianbao Co., Ltd (2015/02~ 2018/11) [China / On Site]
Junior Front-End Engineer / Full Time

Tech Stack `Webpack` `SVG` `SASS` `Mocha` `Jira` `SVN`

- Assisting senior developers in developing, testing, and maintaining code for web applications.
- Developing responsive websites that work well on all devices and platforms.
- Collaborating with cross-functional teams to ensure the website design and user experience aligns with the company's goals.

📦 Recent Professional Projects

⭕ Domani DAPP From Memento Blockchain (2021/10 ~ 2022/12)
Full-Stack Engineer
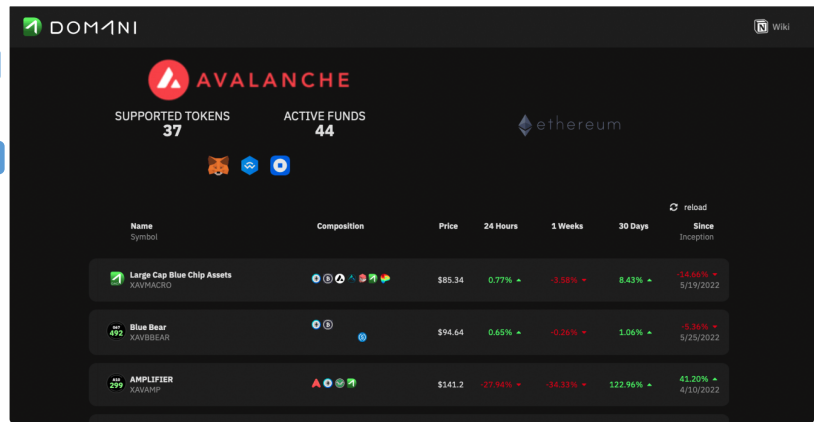https://dapp.domani.finance

DOMANI Dapp is a democratized crypto management protocol that allows you to invest in multiple assets cheaply and easily.

Tech Stack

`Vue.js` `Vuex` `Ethers.js` `TypeScript` `Node.js` `AWS` `CloudFront` `S3 Buckets` `Route 53` `Lambda` `Certificate Manager` `DynamoDB` `Formantic-UI` `Cypress`

Key Contribution

- Leading the development of the front-end architecture and design of the application using Vue.js and Vuex, following the atomic design pattern to ensure scalability, modularity, and maintainability.
- Successfully integrated Ramp API into our dApp, providing a seamless experience for users to buy crypto directly through our platform without the need to leave. This integration significantly increased the transaction volume and user engagement, resulting in a 25% increase in revenue.
- Implemented real-time notifications using Blocknative Notify API in our Dapp web application, improving the user experience and reducing the time taken to track transactions.

Achievement

By leading the **test-driven development** and integrating the E2E test framework **Cypress** with **bitbucket pipeline**, we significantly reduced the time spent on manual integration testing and improved code quality.

⭕ Tessaract.io (2020/07 ~ 2021/09)
Senior Front-End Engineer
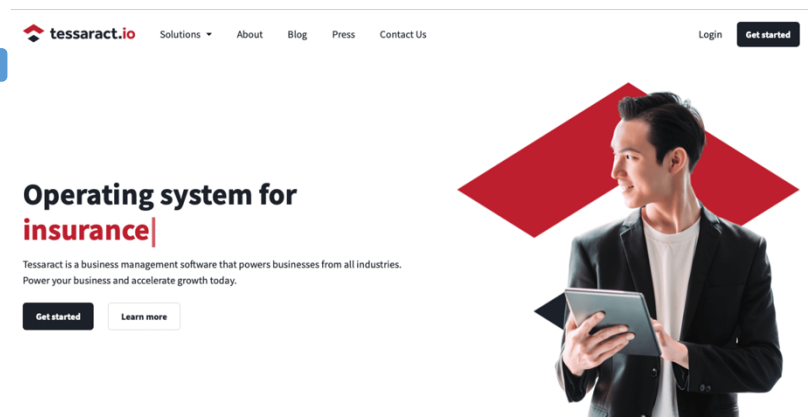https://www.tessaract.io

Tessaract.io is an all-in-one platform for businesses that includes CRM, document generation & management, project management and accounting.

Tech Stack

`React.js` `Redux` `React-Bootstrap` `React Testing Library` `Python` `SASS` `Docker` `Jest` `Webpack` `TypeScript`

Key Contribution

- Designed and developed highly reusable React components to enhance consistency.
- analyzing low performance and lag issues during the operation of the App and providing solutions to make it faster to load and run smoothly.
- Implementing complex user interactions and workflows, such as drag-and-drop functionality or multi-step forms.
- Developed and integrated a new analytics dashboard, providing valuable insights to the team and enabling data-driven decision making.

Achievement

I helped them upgrade their React version from v14 to v16. This allowed us to use the new React.lazy() feature, which enables the browser to download only the necessary resources from the server. Additionally, I utilized the tree shaking feature in webpack to remove any unused code. These efforts led to a significant decrease in the size of the main JavaScript bundle, from around 10mb to 1mb, greatly improving the application's loading time.

🎲 Featured Personal Projects
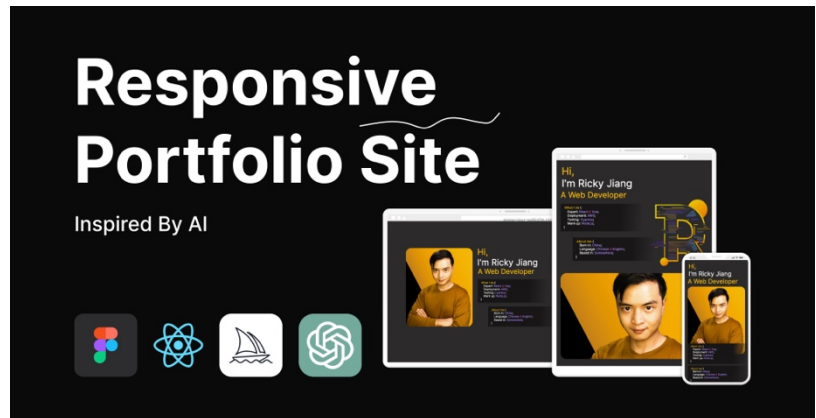
⭕ Person al Porfolio Website (2023/03 ~ 2023/04)
https://ricky-fn.github.io

A beautiful porfolio website with advanced scroll effects inspired by AI tools like **MidJourney** and **ChatGPT**.

Tech Stack

`React.js` `Figma` `TeleportHQ` `MidJourney` `ChatGPT` `GitHub` `BootStrap`

Achievement

I successfully leveraged my professional skills to create a website with captivating scrolling animation by incorporating the latest AI technologies. This experience significantly enhanced my capacity to develop independent projects. This project serves as a prime example of my adeptness at problem-solving.

⭕ COVID-19 Visualizer (2020/05 ~ 2022/08)
https://theworldcovid19.info

An Serverless web application that showcase the interactive COVID-19 (coronavirus) visualizer that highlights countries around the world based on the most recent cases.

Tech Stack

`AWS` `Serverless Framework` `AmChart.js` `React` `TypeScript` `Cypress`

Achievement

- I built API servers on AWS that gather the latest information from reliable sources and make it accessible through the website.
- Using cutting-edge web technologies amchart.js, I created an interactive earth.
- I integrated Cypress, an end-to-end test framework, to run automated tests and catch any potential issues.

⭕ Turbine JavaScript Library (2019/03 ~ 2019/08)
https://github.com/ricky-fn/turbine

Turbine.js is a cutting-edge JavaScript library that was inspired by the concepts behind Vue.js. It offers a revolutionary way to merge JavaScript code and data with HTML tags, using templates that can dynamically update the UI as data changes. This implementation follows the popular MVVM design pattern.

Tech Stack:

`JavaScript` `RollUp` `Himalaya` `MVVM`

Achievement

Despite juggling a full-time job and working on it in my spare time, I was able to successfully publish the Turbine.js library on NPM. The library is compatible with IE 8+, Firefox, Chrome, and Edge, and has a minuscule 33kb size after compression. I invite you to check out the playground of Turbine on CodeSandbox at the following link:
https://codesandbox.io/s/mylibrary-playground-abcdefg