Wu Rui - Frontend Engineer

Please note that English is not my native language and it is possible that my expressions may cause some misunderstanding.

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Introduction

I started to self-learn front-end in 2018, and graduated from Sun Yat-sen University with a Bachelor's degree in Software Engineering in June 2019.

I am proficient in native JavaScript / TypeScript, Vue, React and other related front-end technologies, and I am able to complete front-end projects independently, as well as collaborate with team members on development.

I post technical blogs on my personal website and participate in open source projects on Github to improve my skills. I hope I can become a TypeScript-based 10x full-stack engineer.

Skills

- Familiar with Git collaboration
- Familiar with CSS3, PostCSS, SASS, TailwindCSS, UnoCSS and related
- Familiar with JavaScript (ES6+) and TypeScript
  - Familiar with Vue, VueRouter, Pinia, ElementPlus, UniApp and related
  - Understand Nuxt, Vuetify, iView, NaiveUI, etc.
  - Familiar with React, ReactRouter, Zustand, Antd, Taro and related
  - Understand Next, Redux, Mobx, ReactNative, MUI, etc.
  - Familiar with writing simple scripts using Node.js
- Familiar with Rollup, Vite and related
- Familiar with using specification tools such as ESLint, Stylelint, Prettier, LintStaged, Husky, etc.
- Understand CI/CD, such as GitHub Actions, etc.
- Currently learning technologies such as Web3, Nest, Docker, etc.

Work

Guangdong MillCloud Technology Co., Ltd.

2021-07 - 2023-07, Chancheng, Foshan, Guangdong, China, Remote

- Led the upgrade of old projects, including Web, multi-end applets, Electron, etc., to TypeScript + Vue 3 + Pinia + VueQuery + UnoCSS + Vite, reducing project compilation time by 20% on average and task completion time by 5% on average
- Reduced build size by an average of 38% by means of sub-packaging, compression, caching, etc.
- Coordinated with backend to reduce cloud server instance outflow traffic by about 19% by adjusting data structure

- Use Vitest to do unit testing of basic methods, with an average coverage of 89% and 10+ samples
- Write simple scripts using Node.js for uploading and deploying to servers, Wecom bot notifications, etc.
- Integrate Azure DevOps Pipelines to save 2 - 5 minutes per project on local builds, deployments, etc.
- Organize development presets and development standard from scratch

Globus LTD.

2021-05 - 2021-07, Chancheng, Foshan, Guangdong, China

- Front-end and back-end development (full-stack) of Web backend management systems using MongoDB, Express, React (MERN) and other technologies
- Use ReactQuery for remote state management and Recoil for local state management
- Use Attribute Based Access Control to manage Web backend management system access rights
- Investigated how to migrate existing Express projects to Serverless Framework and AWS, and designed basic solutions

Guangdong MillCloud Technology Co., Ltd.

2019-06 - 2021-04, Panyu, Guangzhou, Guangdong, China

- Taking over old projects, dealing with asynchronous processing, error reporting, ReactNative compatibility adaptations, etc.
- Customized menu, access to own and three-party payment methods for restaurant miniprogram project
- Modify ElementUI breadcrumb and tree components to meet business requirements, online access
- Use Role Based Access Control to manage Web backend management system access rights

Projects

This is only a partial list of projects, check out my GitHub for more.

fabric

This is an out-of-the-box shared specification for different JavaScript / TypeScript projects, which directly improves the specification of personal and corporate projects.

vite-plugin-stylelint

Vite Stylelint plugin, like stylelint-webpack-plugin. As of 2023-07-05, there are 14k weekly downloads. Based on experience with this plugin, I submitted a PR to vite-plugin-checker to support running Stylelint.

tailwind-extensions

tailwind-extensions is a library that extends TailwindCSS. It provides more configurable values to reduce the use of inferred values and increase flexibility. In addition, it provides presets for use with AntDesign and ElementPlus, making tailwindcss easier to integrate with these UI libraries. It also provides miniprogream and easy presets to make tailwindcss more friendly to the Chinese ecosystem.

element-plus

I submitted a PR for element-plus that optimizes the `FormRules` type. This PR allows `FormRules` to accept generics and improves type safety.