Wu Rui - Frontend Engineer

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

Information

- ⌂ [My Site](#)
- ○ [ModyQyW](#)
- ✉ [wurui-dev@foxmail.com](#)
- ☎ +86 13266337925

Introduction

I began learning front-end development on my own in 2018 and graduated from Sun Yat-sen University with a Bachelor's degree in Software Engineering in June 2019.

As a front-end engineer, I have a solid programming foundation, strict coding standards, and rich project experience. I am proficient in front-end technologies such as native JavaScript/TypeScript, Vue, and React, and can independently complete front-end development projects while collaborating with team members to complete complex projects.

Throughout my career, I have participated in the development of various projects in fields such as catering, education, business, and Web 3. In these projects, I have taken on different roles, including front-end development, full-stack development, and front-end team leader. Through these experiences, I have accumulated a wealth of knowledge and familiarity with the project development process and requirements. I have high quality standards for code and am skilled in using various tools and techniques to improve code maintainability and readability.

Outside of work, I also research and apply open-source technologies. I have multiple open-source projects on Github and regularly publish technical blogs and articles on my personal website. I believe in the power of open-source technology and sharing and communication to continuously improve my own technical skills.

As a front-end engineer, I enjoy working with product managers to improve project user experience and performance. I also pay attention to project stability and usability and am able to use various tools and techniques to ensure project quality and stability. In the future, I hope to become a 10x full-stack engineer with TypeScript-based, product, operational, and thinking capabilities.

Skills

Collaboration Basis

- Heavy user of macOS
- Familiar with Git collaboration and knowledgeable about Git Flow, GitHub Flow, and GitLab Flow
- Collaborative mindset, proactive communication with team members, committed to improving project user experience and performance.
- Strong communication skills, highly supportive of Nonviolent Communication.
- Strong debugging skills using tools such as console and debugger.
- Proficient in problem-solving using Google and Stack Overflow for issue searching.
- Strong ability to ask questions and highly supportive of the principles outlined in How to Ask Questions the Smart Way.

Web Basis

- Developed small-scale web systems using HTML 5, CSS 3, JavaScript, and jQuery.
- Familiar with responsive layout, considering presentation effects and user experience across different devices.
- Familiar with ES6+, preferring modern native APIs or libraries based on modern native APIs rather than libraries such as Lodash.

Frontend

- Developed small, medium, and large-scale web systems, small mini-programs, and small mobile applications using TypeScript, Vue, Nuxt, React, Next, ElementUI, ElementPlus, Vuetify, AntDesign, and MUI. Familiar with the surrounding ecosystem and have submitted PRs for ElementPlus.
- Used Webpack, Rollup, and Vite as build tools to build libraries and applications, familiar with the surrounding ecosystem, and participated in Vite plugin development.
- Developed small desktop applications using Electron.

Backend

- Developed small-scale server-side projects using TypeScript and Nest.
- Used Koa and FakerJS to quickly develop prototypes.
- Used MongoDB as the primary database and Redis as the caching database.
- Implemented project deployment using Docker.

Work

Guangdong MillCloud Technology Co., Ltd.

Work From Home   Infrastructure   Engineering   Business   UniApp   Vue   UnoCSS

Sentry

2021-07 - Present

- Front-end lead: responsible for existing outsourced catering front-end projects
  - Introduced Iconify and removed a large number of PNG icons for more icon freedom and flexibility.
  - Integrated Sentry for existing projects to more uniformly collect errors and user profiles.
  - Upgraded existing projects to Vue 3 for improved user experience.
  - Switched existing projects to Vite for improved development experience.
  - Switched existing projects to UnoCSS for more flexibility and better developer experience.
- Front-end developer:
  - Based on past experience, developed multiple backend sites and iterated quickly.
  - Took over and used an Electron project for a one-machine system.
  - Built an online text detection tool using SolidJS and UnoCSS, available online.
- Infrastructure lead:
  - Provided guidance on front-end development.
  - Organized development templates, available online.
  - Organized and summarized standards and best practices, available online.
  - Conducted on-site testing, available online.

Globus LTD.

Work From Office   Business   Full Stack   Express   MongoDB   React   MERN

TypeScript   AWS   Serverless Framework

2021-05 - 2021-07

- Full-stack developer: developed new features for existing front-end and back-end projects
  - Quickly clarified project development steps, dependencies, and business logic after joining.
  - Added XLSX and PDF export functionality using React based on business needs.
  - Added a factory inspection module using React to display inspection dates and records based on business needs.
  - Investigated how existing Express projects could be migrated to the Serverless Framework and AWS and designed basic plans.

Guangdong MillCloud Technology Co., Ltd.

Work From Office   Business   WePY   MpVue   UniApp   Vue   Taro   ReactNative

Expo   Angular.js   TypeScript

2019-06 - 2021-04

- Front-end lead: responsible for existing outsourced catering front-end projects
  - Quickly learned React Native after joining, organized and analyzed existing issues, and quickly made emergency fixes.
  - Completed project documentation, clarified project development steps, dependencies, and business logic.
  - Fixed legacy project issues, including asynchronous processing, error handling, server error reporting, and compatibility adaptation.
  - Optimized the project, introduced TypeScript, UniApp, ESLint, Stylelint, Prettier, etc., and narrowed the technology stack to the Vue ecosystem, improving development and maintenance experience.

- Introduced TailwindCSS for existing projects, reducing the size of mini-programs by about 12% and backend size by about 8%.
- Coordinated with all parties to confirm requirements, documentation, etc., and completed the development and launch of a catering mini-program with customized menus, payment methods, menu categories, and dish linkage, etc., with high quality and ahead of schedule.
- The project averages daily revenue in the millions, maintaining stable operation.
- Front-end developer: developed an online teaching resource sharing site
  - Promoted the implementation of requirement documents, prototypes, design drafts, and interface documents.
  - Made minor modifications to ElementUI to meet business needs, using Gitee as the source, available online.
  - Modified the breadcrumb component to support refreshing the page by clicking on the last breadcrumb.
  - Modified the tree component to support reloading if lazy loading fails.
  - The project has 3 million PV and maintains stable operation.

Projects

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

fabric

Opinionated shareable specification for different JavaScript/TypeScript projects, including Git,EditorConfig, tsconfig, Prettier, ESLint, Stylelint, Markdownlint, Commitlint, Conmitizen, Publint, LintStaged, Husky, SimpleGitHooks, VScode.

vite-plugin-eslint2

Vite ESLint plugin, like eslint-webpack-plugin. Initially forked to maintain and add new features because vite-plugin-eslint maintenance was not active enough. I submit a PR for vite-plugin-checker based on this plugin.

Although I still maintain it, I don't recommend to use it anymore.

vite-plugin-stylelint

Vite Stylelint plugin, like stylelint-webpack-plugin. As of 2023-04-10, there are 10k weekly downloads.

Although I still maintain it, I don't recommend to use it anymore.

uni-helper

uni-helper was originally just a personal project, but has now become an unofficial non-profit organization.

uni-helper provides a number of packages that enhance the development experience of the uni-app family of products, some of which I'm trying to maintain, including TypeScript type definitions, VSCode plugins.

As of 2023-06-09, there are 177k cumulative downloads of the VSCode plugin, and I believe that most uni-app developers using VSCode have used or are using the VSCode plugin and TypeScript type definitions I developed.

tailwind-extensions

tailwind-extensions is a library that extends TailwindCSS.

It provides more configuration values to reduce the use of inferred values, which brings TailwindCSS one step closer to UnoCSS.

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.

I also participated in the development of unocss-preset-antd and unocss-preset-element-plus.
.

Expectations

- The company has good prospects and there is room for advancement.
- The team is harmonious and friendly, with unified goals, standardized processes, and a focus on efficiency. We reject unnecessary formalities and overtime culture.
- We are in the China time zone and can arrange fixed meeting times for coordination.