Personal Information

Yuan Kaixin/Male/1994 Location: Suzhou Education: Bachelor's degree/Three Rivers College/Automation Internet of Things/Regular undergraduate Work experience: 6 years Expected position: Frontend Engineer

Contact Information

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Professional Skills

1. Solid foundation in frontend development, proficient in HTML/CSS/Javascript related technologies
2. Proficient in the VUE framework and its principles, with experience in frontend system architecture design and component development
3. Familiar with core JavaScript and TypeScript, and proficient in commonly used ES6/7 syntax
4. Familiar with React framework, using umi, React Hooks, valtio, Antd to build application systems
5. Familiar with css3/sass, able to use Flexbox to achieve more complex layouts
6. Familiar with server-side rendering and experience in developing SSR framework projects
7. Familiar with node.js, and experience in practical development using egg.js/midway.js
8. Familiar with frontend engineering construction, such as Webpack, Vite, CI/CD automated testing, building, and deployment
9. Proficient in using Webpack to module pack projects and understanding its principles, as well as performance optimization
10. Familiar with GIT, SVN version management and control tools
11. Have cross-platform development capabilities and experience in developing Hybird App/uni-app/WeChat mini programs

Work Experience

1. Ly.com

Work Time

August 2022~present

Job Description

Frontend Developer in the Train Ticket Frontend Group

Evaluate the feasibility and technical implementation solutions of business needs, and communicate and coordinate with product, design, backend, and other teams. According to the requirement document and technical plan, write and debug frontend code to implement product functions and interfaces. Responsible for frontend performance monitoring, error monitoring, log monitoring, etc., timely discovering and solving problems, and improving product stability and user experience. Maintain and upgrade existing products, including bug fixing, feature optimization, and technology upgrades, to ensure product stability and availability. Architecture design: Participate in the design and optimization of product architecture to

improve product scalability, maintainability, and performance. Teamwork: Collaborate and communicate with product, design, backend, and other teams to promote product development and optimization, and improve team collaboration efficiency and product quality.

2. GTIT epoint

Work Time

July 2016~August 2022

Job Description

Frontend Developer in the Mobile Research Center, responsible for managing the technical team and maintaining and developing the company's mobile frontend framework

1. Design the company's framework, serve as the developer of the company's mobile frontend architecture, responsible for developing components, frontend frameworks, and formulating departmental code specifications
2. Develop and maintain the company's mobile foundation platform portal
3. Develop APP using Hybrid mixed mode, using native WebView, frontend Vue technology combined with JSbird to develop business content.
4. Cross-platform development of WeChat mini program/uni-app.

Project Experience

1. Ly.com - Train Ticket

Project Responsibilities

Frontend Developer

Project Description

1. Utilize WeChat mini program to develop train ticket business pages
2. Develop with VUE framework using the internal microservice platform on the frontend side
3. Develop on the middleware side using Node.js, mainly providing frontend AB test sampling configuration and tracking monitoring
4. Actively monitor, pay attention to, and discover operational data, and optimize the discovered performance
5. Responsible for the front-end architecture design of other peripheral small projects.

2. Internal framework - VUE

Project Responsibilities:

Built-in different versions of hybirdJS, simply modify a configuration file to switch to the corresponding version of the hybirdJS environment.

Provided commonly used "utility class styles" to achieve desired effects with less code.

Provided commonly used case displays, showing the use of framework components.

Components are independent, without any CSS or JS dependencies. A `.vue` file can be used in any project.

Project Description:

UI Layer

1. Used Vue.js in conjunction with vant components to build the company's internal business component library.
2. Vuex global management
3. Vue-route routing management
4. Axios front-end and back-end interaction
5. Used Hybrid to communicate with the native side based on the internal WebView.

Front-end build layer

Built the code using Webpack with three modes: H5 light application, internal Mini Program, and card.

1. H5 light application: normal vue-cli build process
2. Internal Mini Program: built a specific path module, added a separate configuration file, and interacted with the native side.
3. Card: pulled independent vant.js/vue.js/css and built Web Components independently.

Unit testing

Tested using Jest.js in a Node environment.

3. Internal framework - mobile PC hybrid low-code platform

Built on the mobile page through the PC-side unified authentication platform (SSO), using mobile TOKEN authentication to convert to single sign-on identity, and using a low-code platform to build pages.

Project Responsibilities

In the project, I was responsible for front-end architecture design and component development.

During the development process, due to the old age of the project before I took over, there were multiple library dependencies, including but not limited to jQuery/Zepto/cross-end Hybird/MUI. After taking over, I standardized the component construction rules and constraints, introduced the Vue framework, and refactored the components into VUE Components through functional rendering, stripped away other libraries, and used gulp.js for code compression to reduce the code size. And unified the front-end and back-end data flow docking rules with the backend, reducing the time and cost of front-end and back-end docking.

Project Description

UI

1. Use Vue.js rendering function combined with Vant to build a component library
2. Use Zepto.js combined with MUI to build a component library
3. Conventional action format and interaction with front-end and back-end

Front-end

1. Use gulp.js to compress the code and reduce the size
2. No additional construction required
3. Unified SSO access

4. Portal Mid-end Mobile Base

Project Responsibilities

Front-end development engineer

Project Description

Support third-party developers to self-access mobile business applications in the form of company mini-programs and H5 applications, providing end-to-end access processes, standards, tools, and development guides, supporting rapid development and access of mobile business applications, and launching in the base client application center.

The native basic capabilities (map, location, voice) in the mobile native framework and mobile component library are open, supporting small programs and H5 to call in the form of JSAPI.

Support third-party mobile application access to basic services such as unified identity authentication (ISV), unified messaging, and organizational structure.

Technical Handouts

Using reveal.js to create online PTT presentations for internal technical sharing within the company.

[Fastify.js Basics Tutorial](#)

[Puppeteer.js Basics Tutorial](#)