Lee Ning

Senior Frontend Engineer Beijing

Chinese name	李宁	**Phone**	180 0922 2174
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Experience	5 years	**Education**	Bachelor of Psychology Beijing Forestry University (211)

WORK EXPERIENCE

Senior Frontend Engineer VPHOTO 2018.11-2021.6

1. Responsible for the front-end part of the picture live platform, participated in the development and maintenance of major projects, independently refactored and optimized projects in the later stage.
2. The cumulative UVs on the platform exceeded 50 million, and the projects provided live services for many activities, such as:
    - 2020 China International Import Expo Nominated photo and video service supplier
    - 2020 China International Fair for Trade in Services Official picture live platform
    - 2020 ChinaJoy Official cloud video partner

Frontend Engineer 凡卡互动 2015.7-2018.3

- After self-learning programming without any experience, I got this job, building websites for our clients independently.
- When our company had no backend engineers temporarily, I taught myself PHP and MySQL to maintain existing websites.

PROJECTS

云相册

Description: picture live terminal display **Technologies Used:** JavaScript + Vue.js + HTML5 + CSS3 **Duration:** 2019.2-2021.6

Control complexity	1. The rapid functional iterations in the early stage led to internal logic confusion. After that, the cost of each iteration increased significantly, and bugs were not easy to fix. 2. To solve this problem, by learning refactoring and combining the ideas of design psychology, I sorted out a complete refactoring design system from the bottom up; (see https://bit.ly/36m98LB) 3. Using this system, based on the principles of "ETR(easy to read)", "ETU(easy to use)", "ETM(easy to modify)", "ETC(easy to control)" and "YAGNI", I refactored the project from different granularities; 4. The complexity of the project has been gradually reduced, the difficulty of subsequent iterations has been maintained within a controllable range, and new colleagues can get started quickly after joining.
Project optimization based on Vue features	• Optimize the data dependencies between components: There were two Vue components with more than 3000 lines in this project, and the internal data coupling is serious; I used Vue's various types of component communication methods to reorganize internal data dependencies and split them into multiple subcomponent with no more than 300 lines. • Use Vue Custom Directives to simplify Event Tracking: event tracking in this project originally used imperative registration, event binding and method definition were required in each place; after I encapsulated them with custom directives, only one declarative instruction was required to set up an event tracking. • Use custom Vue Plugins to encapsulate global operations: all kinds of general pop-ups in this project need to be introduced into components first and then used. As the number of places used increased, I made them available globally and registered them through the Vue plugins, so that they can be used anywhere just by only one method.

企业影像库

Description: enterprise image data management **Technologies Used:** JavaScript + Vue.js + HTML5 + CSS3 **Duration:** 2020.7-2021.6

Compatible with multiple environments	1. This project needs to be compatible with four environments: WeChat, WeCom, WeCom internal application, and PC. Even in the WeChat environment, Android and iOS often have differences in interaction and style. 2. Since there is no official document, I could only collect scattered information, compared and investigated in different devices, summarized and archived all these problems, and encapsulated modules and CSS which were compatible in different environments. 3. Later, when colleagues encountered similar problems, they could first query my document and directly use the modules and CSS I encapsulated.

SKILLS (study notes: https://github.com/samoyi/note/tree/master/Theories)

Programming languages	• JavaScript: Deep understanding of the principles, proficient in using ES5+ • C: Comprehensive understanding of concepts, skilled at using
Frameworks	• Vue.js: Understand principles deeply, have written a detailed explanation of the core source code • React: Experience in using React in two business applications
Refactoring and Design	Have a systematic understanding of refactoring ideas and design principles
Algorithms and data structures	Ability to implement common algorithms and data structures in C.
Networking	Familiar with HTTP and networking fundamentals
English	Ability to read English textbooks and articles fluently

CAREER PLANNING(five-year)

- Continue to study code refactoring and program design, and apply them to work
- Continue to study algorithms in spare time; learn linear algebra, discrete mathematics, and probability theory.
- Learn Data Analysis and Visualization.

PERSONAL SUMMARY

- Love most sciences including computer science
- Likes to think about the design thinking behind various designs
- Interested in logical thinking, critical thinking and metacognition