

This essay will share some thoughts and ideas regarding my few months working experience. Thus, I can learn from those experience and avoid further mistakes I ever made.

The most beneficial idea I learnt from last few months is that front end developer should not just put their all attentions on their own small part. A successful project have been established by cooperation which involved clients, product manager, testing group, front end developer and back end developer. Once I as front end developer only focus on my front UI part, I always try to solve tiny problems instead of thinking this project as an entity. It could potentially make future new requirements hard to achieve. Because we didn't think in advance and won't leave more room for current code to add more functions. It may lead to our code less flexible or compatible. In the future work, I may think before starting to code, talk more with other stakeholders and find out possible future needs and extend those possibilities to current code after finishing needed features.

Meanwhile, front end developer should pretend themselves as three roles. There are clients, user and developer respectively. Clear understanding of client's need is given, always asking ourselves why clients have those specific needs. Cross projects, are there any similarities of requirements above different clients? And we should know, clients not always have clear idea about what they want. Then, front end developer may give some suggestions based on their expertise and experience. Second, front end is literally the windows which user interact with data flow. Clients decided the purposes of application, but user will judge whether it is a good application. Front end developer may not as good as UI designer when it comes to UX. However, we are not targeted to make UI super fancy. But we should set up the bottom line which could be an assurance that user won't feel uncomfortable when they use our applications. In the last, we should come back as a developer. Clear understanding of client's needs and APIs from back end, split tasks, estimate time consumption and actively ask for help when I can't solve problems by my own. So thinks in three different ways is a technique to improve efficiency when it comes to real project.

In terms of how to write react code, there are also some thoughts to share. We should understand that React is based on JS, native JS is core and basics of React, Vue or Angular. Even though native JS difficult to solve real develop problems. However, think in JS is still very important. Cooperating with Designer and back end developer. For example, what color, effect of hover, empty form, logo, and those certain design elements(margin, height) we can agree upon with designer and make it consistent all the time. Negotiate with back end, what data flow and data structure we need to display. Can APIs satisfied all front end's needs? Try to understand how they establish database. Then, we will have a deeper thinking on products. Meanwhile, we should always keep up with trend, For example, try to use functional components with hooks to replace class components, I believe, new version of a framework always try to solve

drawbacks of previous version. Once I start to use hooks, it help me generate a more clear and straightforward codes. So use trendy techniques and you will love them.

Those ideas are just some immature thoughts from my last few months, even now I probably can't write perfect code, and saw the code I write at the beginning of work. I did some progress. I believe gain a tiny progress every day. Eventually I could be expert of front end.