**P24**

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【ask】

Please recall your recent or previous experience of learning a tool, software or technology. What was the whole process like from hearing about this technology to actually learning to use it to complete some development work?

【answer】

take Vue as an example. I'm doing front-end work. The front-end work needs to use the Vue framework, and then go to its official website to see its documentation. It takes about 1 to 2 weeks to get started, and then go to write some examples, write some code, make some pages, and use it in the project.

【ask】

Can you divide the learning process into the following stages, such as the early stage, the middle stage, and the later stage, and then talk about the characteristics of each stage, the characteristics of learning, and the goals of learning.

【answer】

In the early stage, it is to get started, because it will give some examples, that is, to understand its concepts, after the examples it gives, try to run through the examples. The mid-term, the first half of the mid-term, is the overall project, then some mechanisms of Vue, and then read it all. Then there is another part of that cycle, that is to say, if you want to be able to write some code, it may be based on the original process. According to its previous process, you have to write a corresponding page, and then some of its operation logic, there are Some simple operation logic. The demo you wrote is equivalent to the demo you learned that can run through this project. In this case, I feel that I should be able to get started with development, such a relatively simple process.

【ask】

Then you can classify the document you have seen, which is the Vue document you just read. The document can be divided into several categories. As someone said before , it can be divided into conceptual categories, and then this step category also has Well, this reference class and so on, can you categorize the documents you've seen ?

【answer】

I feel that the official documentation of Vue should belong, and there are operations in it. Some code references are actually references. I feel that it is a reference. Then those components are actually some demo things, just to tell you how to use them. , and then this code can be used directly, then this is a practical document. Probably like this.

【ask】

Hmm, have you been exposed to other types of documents besides this?

【answer】

Other types of documents, what other types do you mean?

【ask】

I hope you can categorize the documents you have seen.

【answer】

Alas, I don't know what type this document is, what are your existing classifications? Then I will see if this document belongs to this type. For example, there will also be documents in the code, right, then there are some documents on it, so what category does it belong to?

【ask】

It is because we are not very clear about the classification of documents, so we talk about it through interviews, and through the review of this document to see what this developer document is? What are the types

? what elements each type contains, etc.

【answer】

I feel that the doc document in the code should belong to the description class, it is its description, the interface of this class , or how to use this method, right? What I see is this.

【ask】

Maybe you don't have a clear classification for this question, right, um, it doesn't matter. Then let's ask the next question, just a question about the source of information, um, where do these documents and materials you usually read come from? How did you find them all?

【answer】

This is actually, I go to learn Vue, we have front-end Vue development , I will definitely want to ask them to ask, if I want to learn Vue, what materials do I need to learn, right? Then I have to choose which component, and then I have to choose that data. The first thing to do is to find the official documentation by yourself. If the official documentation is not found, or if it is incomplete, you still need to consult our relevant professionals, that is, development, if there are some good documentation recommendations. In addition, we obtain the documents of this information here, because we are coaches, and we also contact some industry consultants, and they will also have some good resources to recommend to us. Probably in this way.

【ask】

Well, what about the case where you're going to do some searching yourself to find the document?

【answer】

search for some related documents on Git Hub . Then check the problem. If you want to check for a certain problem, go to Baidu or Google first. After checking Baidu or Google, you will sometimes jump to the direct document after checking, which is an operation instruction.

【ask】

You can give an example of how you searched, and what the results were, you can recall an example.

【answer】

As for an example, like before, I used to have a data analysis person. I didn’t do data analysis before. Now it is more popular to do data analysis with python. Then I will search how to learn python, and then where do I need to start with python? study. Then he might say to recommend W 3C school, right? Then I might click in and see if it meets my needs. There are some very simple things above, which is a basic syntax of python, and then some basic configurations are there. The technical things are all here, then you have to learn it later. For data analysis, use pandas , or if you want to learn crawler, you need to learn some packages and some components of its request. For these, you have to find a repo on his nearest Git Hub , or you can search for this, he may come up with an introduction of one of his components, and then jump to its official documentation, and there will be some other There will also be some of his descriptions on the csdn and the blog garden.

【ask】

Well, that is what search engine do you usually use to search?

【answer】

Baidu will be used more, because our company's internal website can only be searched through Baidu, and does not support Google search .

【ask】

Does not support Google search , will you use bing ?

【answer】

bing to search on my own computer .

【ask】

Then you generally look at how the results are filtered. For example, it is found by Baidu . As a result, you usually look at the first few articles or pages.

【answer】

If it's a learning type, I usually order the top 5 items. I usually read the top 5 items, and I can almost find what I want. Then if it is a positioning problem, and a problem is found, how to solve it, then this may take a page or two. Because the words on page 1 may be slightly different from the content of the keywords I lost, or his important things do not meet my needs to solve the problem, the correlation is not particularly strong, or he did not write a solution , I might have to turn a page or two.

【ask】

Generally, you will look at the front, and not much at the back, right?

【answer】

Because of that type of question, and if there is no answer in the front, it will turn back a bit.

【ask】

Well, speaking of problems, what kind of problems do you encounter during development? A few examples can also be cited.

【answer】

Well, in fact, I feel that the development problem, the biggest problem is the problem of specifications, that is, how to maintain the consistency of the specifications developed by me and the entire team, that is, the entire code is written as if it was written by one person, It should be better if it can meet this standard. But at present, for example, I have thought about some other development teams before, because it may be that the experience is too late, and the technical ability is not the same, so the code written, everyone's style is not uniform.

【ask】

This is equivalent to a management problem. Will the development work itself, and the technology itself, encounter any problems? Is it for example that there will be any errors, failures, etc.?

【answer】

Well, this is definitely there. In terms of development, for example, there are problems in development and testing, right? There are also some accidents in production, right, um, just to give a simple example. If we ran the code before , the task has been blocked, and my data has been running all the time. That may be a problem. I want to analyze it to see if your data is expensive and non-standard, right ? Why is it blocked for the society? Isn't your task taking too long to execute? Or that no other files are released. Take this simple example. There are other possibilities that some are accidentally written into an infinite loop, causing the CPU to be high all the time. These words may be a certain sentence in the code or a certain judgment in the loop and then cause it to never finish, or there is no break, no return, which will cause some problems.

【ask】

How to troubleshoot this kind of error?

【answer】

If there is such a mistake, we generally speaking, at present, the operation of each company may be improving, and then they will capture some logs, and there will be some monitoring, that is, how much my server, CPU has changed, or Ah, there is a lock in my database, it has been locked, and other operations cannot be performed. In those cases, we will export some code files, and then we will use some tools to analyze some of their specific categories or methods that have problems, then modify the code, reproduce these problems, and then solve them.

【ask】

Have you ever used documentation to solve problems and rely on documentation to troubleshoot problems?

【answer】

Document troubleshooting, which document are you referring to?

【ask】

Official documentation, developer documentation.

【answer】

mean that I have a problem, and then I go to see if someone else has a specification to solve this problem, right? That's how it was solved. It is equivalent to a log loophole recently, right? Then I will refer to their documentation to solve it, right? This is true, because if it is related to the thread pool , there will be this problem, because the writing is not standardized, and then the meaning of each parameter is not understood, which leads to the problem of this thread pool.

【ask】

It's time to go back and look at the documentation, right?

【answer】

Yes, look at each parameter, first look at a meaning of each parameter, and then how I use it. If it is to confirm that there is no problem with my parameters, it is a problem with my code, and it must be a problem with business logic, then look at the requirements and code of this problem, and see what the code is written.

【ask】

That is to say, if the document cannot be solved, it may be that the most fundamental reason is that this logic is wrong , so go back and look at the code again and check the code.

【answer】

Yes, because in the process of development, if you find that there is a problem now, you must unconsciously click into this thread pool and build some methods of this thread pool. There are some documentation in the method, right, but I feel that there may be room for optimization. For example, because our development is developed on the IDE, but there are some documents and recommended practices that may not be very good now. plugin to support. That is to say, I click here, and then how others do it, and then at a glance, you can recommend to me how to write other people's code, and then how to write ours. I see they also have some smart code recommendations.

【ask】

Maybe a better IDE will have this feature.

【answer】

Yes, I feel relatively friendly in this kind of words. Maybe everyone feels that sometimes English is not very good when doing development. If he looks at the demo document in that method, he does not understand it too clearly. But if it is possible to have an example, and then add a Chinese document, click it, and then look at it as a whole, it will be clearer what this method does, and then I will also give you a recommended practice, and then you will know me after a comparison. This use is problematic.

【ask】

Speaking of examples, there should be many examples in the documentation you have read. Do you think the examples he provided are useful? was it useful to you?

【answer】

It will help a little, but I feel that it is fragmented. It is the example he provided, and it feels that the knowledge points are fragmented. That is to say, because this is also understandable, because of the application scenario you are using, it cannot be fully covered. So I think this is still useful, but not comprehensive.

【ask】

Is that the main function of these examples is to help you understand the technology, just to understand the technology at the very beginning.

【answer】

Yes, it just helps me to understand what I am doing, and then I can run it or do the operation of the technology to see if it is the same as what he said. In addition, I can use this method in my business scenario, whether it is suitable to use this method, this class, or this plug-in, component or package.

【ask】

Then when combined with specific business scenarios, it should be to implement some more complex functions, right?

【answer】

Well, yes, because if you want to combine specific scenarios, it can't be as simple as the demo written by it. I may mean that because of his API, it is explained through its interface, specific use, it When you do development again, you have to do verification, because what it says may not be completely correct, I feel this way. It is still necessary to verify, because after your function is developed, whether it meets the corresponding scene requirements to verify.

【ask】

When doing these more in-depth functional development, do you still use documentation?

【answer】

At the beginning, it should be, if I have a demand, what kind of plan should I use? If I want to do a distributed lock, should I use the redis lock or locate, or Do a lock with the local database. This may require a detailed analysis of specific issues, advantages and disadvantages.

【ask】

There will still be this part of the introduction in his document, right?

【answer】

Yes, it will have a part introduction. Redis , such as redis documentation , it will introduce some advantages and disadvantages. Then when choosing a model, you still have to look at its documentation. An analysis of my strengths and weaknesses is not relevant to my current business scenario. Then when developing in depth, I feel that it is better to see which methods it uses at the beginning, and you have to take a look. But when this technology is proficient, in fact, you are a developer yourself, and you can teach others, right, there is no need.

【ask】

Well, the next question is about your reading habits, that is, when you open a document, how do you usually read it?

【answer】

The first thing is, like XX and headlines, there is actually no catalog related, so just follow it down and read it directly. Then there is a directory in the document, so you can roughly look at the directory first, and then look at which part you want to focus on.

【ask】

Is there such a situation that you will read the full text, or skip to read?

【 Answer】

I usually learn most of the words, start to learn the basics, and generally learn everything, and then if there is a problem, I will check it out in a targeted manner. Look at the whole first, then take a closer look. Because of a rough study, a rough scene is actually just a rough look, and then if you encounter a problem, you can study and study it in depth. Mainly like this.

【ask】

Hmm, okay, in a few minutes, I'll ask you another question about the developer's expectations for the documentation experience. I just want to ask you, what kind of documentation do you think is a good developer documentation. You can roughly summarize several aspects.

【answer】

One of my experiences is that one is to develop documentation. First of all, what you need to write is to make the logic clearer, and then the one that developers can use out of the box is actually relatively good, and the experience is relatively good. The other one is that it can be updated and maintained in a timely manner, and then remind some developers that I have any updates, and then some recent loopholes. You have to remind users that there are loopholes. The other is to say that it should be more intelligent and automated, that is, if I develop in the IDE, can I embed this document into my IDE if I have the relevant plug-ins, and then I don't need to say and jump again. Go to where to search, go to other places to find it, and then ask, it feels relatively troublesome. Others are to say, there are some development documents, I feel that is to say, whether its code samples can be better standardized. Your example can't be too bad. It should be in line with everyone's coding standards. The code you wrote is how the masters write the code, so you can give everyone a reference, because everyone writes code. , if you see that the example is very badly written, he feels that the document is not very good.

【ask】

Well, you are saying that this sample code is not standardized, that is to say, he, for example, the naming is very irregular and messy, right?

【answer】

This may be a small part, for example, the naming may be irregular, then you write a loop, and then some other parameters of yours, and then judge that it is not handled well, or that you have a lot of if Else and so on, this kind of words makes people see that if you go in, the code is not written, and then how do you make developers feel that your documents will be good, right? Your overall documentation is worthy of my trust. Others are that, I really don't know, I just feel that it would be better to have this. In the whole document and developer document, I can use the ide of the browser, or write the case online, or debug the case, I can see the effect I want, and then I can interact with Some of the instructions on the document correspond, and then I can run it myself, and seeing that the effect is good, then I am willing to use or experience what its development requirements look like.

【ask】

Well, some documents have this function, but this function is not applicable to all documents, and may not be applicable in some cases.

【answer】

Yes, I have seen some of them.

【ask】

Just as you mentioned just now, that the logic is clear means that it is an organizational structure, right? What kind of logic do you hope it is?

【answer】

logic , it is actually the same as the syntax of markdown . In fact, it should be similar in comparison. I feel that I understand it very well. Generally, it is almost the same. Others are gone for now.