**P23**

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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】

It's, well, for us, it's generally practice-driven, it's not that you go to the end to learn something, it's that you receive a task, or there is a part of your development process. I need to use a brand new and unused thing. For example, when I first started, I went from a student to an intern. In the middle, I came into contact with Vue , which is one of the more commonly used frameworks. When I was learning it, because I was based on a front-end, its foundation is that you need to know some js , so you need to have such a certain foundation to write some interfaces by yourself, using HTML css and js to complete a simple interface, when you have the ability to complete such a simple interface, and then you learn this framework, you can feel some of the convenience it brings to you. Then how to learn this Vue ? Well, in fact, because the document is static text, the information provided to people is limited, so I prefer to learn through video, that is, go to station b to find some introductory videos, Then start to match some simple interfaces, and then when your superior is your leader and give you some new tasks. You can configure it according to what you have learned. At this time, if you have some APIs or configuration items that you do not understand, you do not know how to switch pages, how to control the hiding of some buttons, and how to use some commands. Go to check those developer documents, he will be more detailed, they are more official and more accurate descriptions, they will tell you how to use these, how you can advance, and then check the gaps and fill the gaps, for me, the developer documents that is.

【ask】

Well, so you learn this Vue framework is actually mainly through videos, right ? Video tutorial.

【answer】

Yes, I myself tend to learn through video.

【ask】

Well, do you have an example of learning a tool without watching a video?

【answer】

Well, the simple ones, such as an open source component for time processing, I forgot what it is called, it seems that what is the format? I forgot to go back and check. That one is a plug-in, that is, it is very simple to use, that is, you can use it to get the time and standardize the time, or to get the last week of your previous week, the next month and the next year. , a gadget. For this, you can go directly to his document, so that you can see it at a glance, and you don't need to watch the video at all at this time. That is, words like Vue are still too large. When there is no foundation, it is better to start with Xiaobai's introductory video.

【ask】

That is to say, if you are doing something more complicated, you tend to get started with a video, and if it is something relatively simple, just look at the document directly.

【answer】

Yes, first know an outline, for a huge thing, first understand its appearance, so that it is shaped in the mind, and then learn some of its specific functions.

【ask】

So how did you learn about these tools, these frameworks, and how did you decide to learn them? Is there a need for this project?

【answer】

Well, like Vue X is a solution to provide that global storage, and it is also an advanced way of using Vue. When you have a demand to drive, that is, there is a data that needs to be stored globally, which can be taken out and used at any time, and the global is shared, a place Changes in other places are moving, so you will think about it and check what is the solution in Vue? It 's Vue X. Then you can learn what is in it according to its documentation, or according to the video, according to your own choice, and then do some exercises, small exercises, so that you can learn it more intuitively and comprehensively.

【ask】

That is to say, the reason for deciding to learn this tool is because there is a need to do this function in the project. It is task-driven. I understand, um, then you can divide your entire learning process into a stage, and you can divide it into a pre-stage. In the middle and late stages, I will talk about the characteristics and goals of learning at each stage.

【answer】

In the early stage, you don't know what it is at all. First of all, you need to be able to understand what it is, and then what it can do. Using it can help you save that, that is, it can help you save some time and energy for where to configure. , and then let you go through this period after learning, and you will simply use it. In the mid-term, you may only use 30% or 50% of its functions in the early stage. In the mid-term, you will be more handy, and it covers more and more things. You may understand Most of it, it is a mid-term. Then in the later stage, every large-scale tool has an advanced level, such as Vue, which is more complex and will have Vue. router, Vue X , in the later stage, you may use a more advanced version of it, and then when you write code, it will be more, that is, from the beginning, you only use some of its tags , encapsulate it with it, and then you will use it later . Slots will be used to achieve personalized customization of your own configuration, which is a later stage.

【ask】

That is to say, in the early stage , it is a process of getting started, and in the middle stage, it is a more familiar process. In the middle stage, will you try to write some code?

【answer】

It is necessary to write code in the early stage. If you don't write code, there is no way to understand him.

【ask】

In the early entry stage, you also need to write code. What is the difference between the mid-term and the early stage?

【answer】

Well, it’s like writing a small demo, small page, you just want to let yourself know about it. In the early stage, you may only write three or five pages, so you have passed this early stage, even if you are a learner who can understand Vue , But in the mid-term, these three or five pages can't cover all his functions and all the tags. After all, such a big frame, in the mid-term, you are, that kind of actual business will have several pages, hundreds of pages. , you will use and operate it more frequently, and your understanding and familiarity will further increase with the increase of your code volume.

【ask】

Hmm, so do you refer to the examples it provides when you write these pages?

【answer】

Well, it definitely will. How to learn a new tag is to look at the document and its examples.

【ask】

Well, just make some modifications based on these examples, right? Hmm, I get it, in the later stage, it means to implement some high-level and complex functions, right? Will you come back and read this document later ?

【answer】

Well, it definitely will. Because of a complete document, in addition to some simple examples and simple pages, he must have deeper levels, such as APIs, which are exposed to allow you to define higher-level things yourself. .

【ask】

Well, does he also put these higher-level parts in this document separately? For example, will it be placed in the second half of the post document?

【answer】

Yes, generally, as you read further, the further down the table of contents is, the more difficult it is.

【ask】

Hmm, I probably understand, then you can, because our document is actually divided into several types, that is, this general document, which can be divided into concepts, such as the introduction of some concepts and functions, and then there are some , the how to class is the step class, it teaches you how to do it step by step, and there are some explanation classes, you may do some more in-depth explanations, in addition, there are some troubleshooting classes, or Reference class information, API reference, etc., then this is my general classification, can you make a general classification of the documents you see? That is, and then talk about what components each category contains. You can use the Vue example just now .

【answer】

There should be no document that covers the three parts you mentioned, but these three parts are all that our developers must see, that is, you need to understand its concept first, and then understand how to do it. Then there will be some questions and difficulties . The three places are actually the places we must learn, um, but there is no way to cover it all in one document, but its concept class may include the first two parts, that is, at the beginning of the document, he will throw some Concepts, and then explain a few nouns, that is, there will be some explanations of such nouns at the beginning or the end, and then there are examples in the middle. Then it's the fault. I haven't seen a document that contains these. Generally, it is on some blogs , or on GitHub, or in the discussion area. You can find yours in that kind of place. Are there any difficulties in these places? , that's where you can talk to people about problems, well, it's just not part of the documentation.

【ask】

Then you can roughly, for example, you can cite its step class documents, then teach you how to do step by step, what parts do these documents contain? this kind of step.

【answer】

The possibility of the step class is that Xiaobai's first part should be his first part. He will teach you how to match the simplest page by hand, and then you can get the simplest page. Then, what I am most impressed with now is the one I just wrote, that is, the second part is also written by imitating some structures of that Vue, and the second part is his event class, that is, what events it contains, this is him What the example does not include, the example may give you the simplest example. If you want to use it to reach more places, you can't see it in the example, then you need to look at the events it exposes, its events and its API, I want to get some data, I want Through which APIs , such as down load level , or some commands such as download elements to get it, it will have a section that will list all these commands or all events for you, you just need to check some Text, just do a global search, and you can find these commands. The event class is, for example, an input box that has an enter event, that is, a carriage return event will give you, and then its button has a click event, and these native events will be written in part. Then the API I just mentioned will be written in one part, and then there are three parts to get started. The first part is the configuration, which is to get a simple page, the second part is his events, and the third part is the API it exposes.

【ask】

Hmm, okay, so where do you usually get these materials or documents?

【answer】

It was the official website at that time , and any personal translation was unreliable.

【ask】

Besides going to the official website , is there any other way to get these documents?

【answer】

official website is the most detailed and official. If it doesn’t have an official website, go to the blog , that is, the csdn blog is what I use more often. If I have any questions, I will refer to it, but the things I wrote are correct after all. There are errors, so I generally go through three or more to determine where my answer is.

【ask】

Well, in addition to domestic blogs, do you know how to use foreign blogs ?

【answer】

Well, no, because my English is not very good.

【ask】

Oh, I understand, do you usually have the experience of using a search engine to search for documents?

【answer】

Search engine search documents, is it Baidu?

【ask】

Baidu or Google for this general search engine.

【answer】

It definitely will. When I first contacted him, how do I know what his official website is and what its domain name is? I must first search for his name, click on his official website, and then save its official documents.

【ask】

Oh, it is to enter the official website through a search engine. Is there any that you are too lazy to search on the official website , and then directly enter some keyword commands through some search engines, and then go directly to the corresponding part of his document, is there any What about this situation?

【answer】

Search with a search engine, enter a certain part of the document, well, maybe when you search for some questions, it will automatically link to the part of your question on the official website .

【ask】

Oh, so how would you search for this question? What does this expression generally look like?

【answer】

For example, I can't get the pop-up element of the input box. I just said, what is wrong with you, what is the error, what is the error, you print it out, copy the error, and then copy it in the input box, Then just search.

【ask】

Well, this should be done by many programmers. Well, well, the next question is how do you read a document, that is, after you open it, how do you read it, and how do you quickly locate the information you need.

【answer】

Well, you can't see the end from page 1, it's a waste of time. You will first find its directory, then look at some of his article structures according to the directory, and then find the knowledge points you need now, and click that directly. Let's take a look at the introduction of the block, because now the document context is not strongly related, that is, some functions we use have no context, so you just need to click on the part you want to see. .

【ask】

Well, I see, and you will encounter some problems during the development process, so how do you solve them? A few examples can also be cited.

【answer】

Well, just related to the article, since we're also developing documentation? Then we have some documents that are being iterated. When I contact new projects in our company, I will also see how their platform is used, and then I will find the documents written by him. One is that he is incomplete, and he does not have you. One of the things I'm looking for is that its description may be inaccurate.

【ask】

This refers to the company's internal documents, right?

【answer】

Well, yes, because the large-scale external ones have been iterated many times, and they have been verified.

【ask】

Well, what I mean is that you have encountered some in the process of development. Well, I just said that you encountered a fault error, and then you will search for the faulty code in the search engine, and then, in addition to this kind of error, there are also Do you have any questions you don't understand?

【answer】

Well, that's why I usually go to blogs to search for such mistakes and things I don't understand . Blogging is one of the ways I use the most, like Nuggets, csdn , blog gardens , and so on, everyone will go to record them. own mistakes, and then go and offer solutions. It may be that one of them will be wrong. After reading a few more, he will always have a correct one.

【ask】

Go to the blog first , right? Then you will go back to see if there is such a similar explanation in the official documentation?

【answer】

Well, these two methods are both used, and it must be seen how the document is done, whether it has mentioned my current error.

【ask】

Well, okay, that's about it for this part, and then the next part is to know what developers expect from the documentation experience, that is, what kind of documentation do you think is a good developer documentation, or what kind of documentation do you expect to use? To what kind of document, you can roughly summarize the characteristics of the document you expect.

【answer】

One is clear organization, so I won't say it. When I read the next part, he suddenly came up with a term that I don't understand, and then I realized that this is the thing in the above, that is, each module should preferably be independent. Then the organization is also clear, that is, each module can be shown to others individually. Then, accuracy is the most basic thing. It cannot be described and then described to me wrong. It will be even more misleading. It must be accurate. Another is to provide a platform for communication or a method for feedback. For example, when I use this place, I feel that the document is not written accurately, but it is written like this, who should I communicate with?

【ask】

Have you come across this kind of documentation? Documentation that provides a feedback channel or platform for communication.

【answer】

Well, internal.

【ask】

Internal, only internal, that kind of open source has never been seen before, right?

【answer】

I haven't found any bugs in open source, nor have I said that I want to give feedback to the external team of open source.

【ask】

Yes, in fact, what you said is very good. In fact, if some documents are well done, they have a community for that communication in the document center of the official website . Developers can ask questions there and give feedback there.

【answer】

Very good, it is best to have a professional answer.

【ask】

Hmm, so is there anything else besides this?

【answer】

Well, I'll think about it. Um. It's not available for the time being, just list them clearly one by one, and the content covered should be more comprehensive, and the rest will be gone.

【ask】

Well, let me ask a question about this language, which is the internationalization of this document. Do you find it difficult to read English documents?

【answer】

It's okay, but I usually don't read English, but sometimes I have to read English.

【ask】

Like that Vue framework, isn't its documentation in English?

【answer】

Well, no, he has a domestic one.

【ask】

Oh, it's translated, right?

【answer】

Well, yes, because they should maintain multiple language versions at the same time.

【ask】

Hmm, what do you think of the quality of his translation?

【answer】

His official translation is definitely better, like that, if there is really a document, it only has an English version but not a Chinese version, you can only use Google's own translation, which is the translation in the upper right corner, and it will be translated at this time. It's like a disaster.

【ask】

Then you are more used to reading Chinese documents, right?

【answer】

right.

【ask】

This is the few I have interviewed who are willing to read Chinese documents, because most programmers say they prefer to read English, because English is more direct and clear. In fact, our design also hopes to be this document, which can actually provide multi-language versions, because after all, our native language will definitely read faster and understand faster.

【answer】

Well, if one of his things is written by a foreigner, or acquired from a foreign country, then Chinese or English will definitely be better. If he has a software, its origin is originally Chinese, you don't It is necessary to develop a set of English for the Chinese people.

【ask】

Well, yes, oh, and besides, what do you think about the design of this document and its interface?

【answer】

But it must be a collapsible place, that is, you can show your code below, the code can be hidden, so you can see each effect when you browse, and then see the effect you want, and then click to expand this part , don't lay down everything, such a very long page, you can't finish it.

【ask】

Hmm, is there anything else besides this?

【answer】

what. Then there is the directory on the left. It is best to have obvious partitions . It is the left. It is the write function for you, and give it a title. The directory on the left is probably divided into 3~4 parts. All of a sudden more than a dozen levels of the directory, that is also ugly.

【ask】

Those 3~4 parts should generally also need to be folded and can be folded and unfolded. Then the last question to ask is the question in the questionnaire. What do you think are the study habits and work habits of the programmers? What are the characteristics?

【answer】

Well, just like it is to pursue efficient things, that is, he will not go, um, why do we go to the system from beginning to end, we just directly implement the core modules we want most, that is, I won't say I want to To understand a framework, I have to understand all its functions, it will take a lot of time, I only need to understand the part that is needed.