**P12**

2021-12-15 20:14:48

【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】

That is a project for our Java, and then we can monitor the thread and memory on the line, including the slow log on his line, including the one you can see in real time. inside the interface. It is a tool from Alsace. It must be very useful for research and development, right, um, if it goes online, especially if it is an online service, you can't say it is debug, you don't It may be to reproduce his scene, so this tool is very useful. I want to tell you how I know him and how I use it later ?

【ask】

How to know how to learn how to learn, and then how to use it correctly.

【answer】

Oh, I know, this is the first time I know, because we all do this, there may be a scenario, I have a junior brother who used to do this in that XX, he directly told me, there is a tool, do you want to try it? When it was not open source at the beginning, I found out later. Knowing that is after changing jobs, in other, because the words in XX are used less, because he has a lot of support things inside XX, profiles and so on. Later, after it came out, it was at work, and then the one encountered this kind of problem, the online slow query, we don't know which one it is, because there may be a lot of business logic in an interface or a service, but I don't know which business logic is slow. In such a scenario, I just use that Alsace directly. There is a log of the corresponding tracking link on the one in Alsace. We can see it directly. It is very simple and clear to see which line of code, or which method is slower, just compare Quickly solve some business problems. The whole thing is this process.

【ask】

Useful in this process, does this tool have documentation? Technical Documentation.

【answer】

Have.

【ask】

In this process, have you read his technical documents?

【answer】

Yes, there are several aspects. One is that I have to see what problems he can solve. Like you said, I also wrote his entire directory structure in the survey, right? Let’s see what functions it has in total. I know the context now, what functions does Alsace have in total, and which part is what I need to use in my business now, I just find the business and use it, then he will give some examples, I will follow those For example, whether it is downloaded and installed, and then there are some changes to my own parameters, and then according to my own needs, and then adjust the parameters.

【ask】

Then you learn, listen to your description, the whole process should be relatively fast, right?

【answer】

Yes, that's the tool, because I work a long time, you know? You are doing research, and it is also because we have a classmate here. Then I saw that the research projects on your side are relatively professional, so I said that I will come over and see if I can provide some of this experience for so many years. . In fact, at my stage, I think his main purpose is to quickly solve their online business problems, so this kind of appeal for this kind of document is relatively straightforward, that is, just like buying something, you can see it at a glance Come out what it is, whether there is a best practice, or a quick start, I can directly, I can know what problems this thing can solve, and then, how can I solve it quickly. This is a place I use a lot now. In fact, there will be some other kinds of documents. For example, if I want to learn a technology, I may have to fully grasp every detail of it, including its principles. Well, this example is not that kind of scenario.

【ask】

Well, what you mean is that if you use this document now, the purpose is very strong, that is, you can basically know where is the most critical as soon as you open it, just go to it directly, and then roughly look at it to know if it is you Want, can he help you, right?

【answer】

Yes, in the catalog we can know what functions this thing has, that is, what problems can it solve, and what functions do all have. For example, you can track you in the Alsace log on his side . You can check the time - consuming of each layer, and then you can monitor it. There is a dash in it. table, and then you can directly see the running status of your entire process, including its CPU, memory, and thread. You can see these running statuses.

【ask】

In addition to this tool, have you learned some more complex technologies? In your impression, it is not to say that you have learned some more complex technologies before, and then used more documents. Is there any such What about the situation?

【answer】

Uh-huh. There is, that is, learning through documentation, because if we learn, is documentation an entry point? Because it was at that time of XX, they had a, what, that is called a switch, an intermediary , it really tells you, what problems can I solve with this intermediary, how do I store it, what is the principle, Then I can solve the user's problem, how to use it, and this, but, if you want to understand its principle, you still have to look at his source code, ummm.

【ask】

Documentation is just an aid to understanding?

【answer】

Yes, if you want to have a deep understanding of how it is implemented, and then include the principle and business process of his implementation, you have to combine its documentation, functional module documentation, and then find its source. Look at the code again, and you will understand it more deeply.

【ask】

Hmm, well, then I probably understand what you mean, and then the next question is that you still use the example you mentioned at the beginning, do you divide the whole process into stages? such as dividing

The early, middle and late stages of this study, and then talk about the characteristics of each stage and the learning goals.

【answer】

The characteristics and goals of each stage.

【ask】

The process of learning this tool is divided into the next stages.

【answer】

oh oh. I thought about it for a while, but I don't know how to classify it more appropriately, just according to yours . But from my point of view, first of all I have to know this thing, right, I know that there is a tool like this, or someone is doing such a thing, this thing is also in our place, in the business process may be Helpful, first of all my step 1 I knew it was right. The second part is that I know this thing and I don't know how to use it. The last time I used it, because it was an acquaintance developed by my junior brother and the others, he directly sent me a few screenshots. At that time The documentation may not be complete, so I just posted some screenshots, how to use the script of some commands, and then I did an experiment according to that, but I didn't really use it in the project. Is to know him, the other words I did a test. The other one, in the second stage, is equivalent to encountering some problems in the process of business. For example, in our current business process, someone reported that this interface is very slow. If the interface is very slow, it is actually difficult for me to locate. So, if it's slow, his interface has a lot of logic. I don't know if it is possible to interact with the outside world. I don't know which part of the interaction caused his interface to be slow. It was a business problem. When I encountered a business problem, I knew him, and then I pushed him into our project, and then directly said to find the document, and then based on the document, I put the tool as a whole again. I learned it once, and then alas, this problem can be solved. We are now positioning our project not only to be slow, but also to have some other functions that we can also use, and then use it right here in this project. He investigated and solved the problem, and then promoted it in our team. The whole process is basically this.

【ask】

Well, then you have read his document, you can divide it into types, that is, the document can be divided into concept type, step type, and some reference type. Can you roughly classify it? What type of documentation do you see for this tool?

【answer】

Well, basically, basically, on the first page, you will introduce what problems your product can solve. The first page is equivalent to a summary. I think the term may be that I don't pay much attention to it at present. , because the terms we are in contact with now may be familiar to those in the industry, so you don't need to look at them to say what problems this thing can solve. The other one is equivalent to the following sub-points. Do I have a quick start? I know what he does. The other one is whether I can be fast. On page 1, I can quickly put that one. Whether it is downloaded like you said, and then opened, how can I have an example to get me started quickly, let me see a task, or an example page, right? Just saw this. Then the rest, if there is still a page after entering, I can put my core functions of these commonly used functions, or the most distinctive things of our project or this tool, and then typical Can list, what kind of function he has, how to use it, and then add an example for each, basically this is the end.

【ask】

There are still many types, um, the next question is about this, um, the documents you usually use not only refer to the project just now, but also the documents you usually use, where are their sources, that is source of this information.

【answer】

source. Because we have some channels inside that company, and now my main sources are three parts, and one part is what I know before. You are like XX cloud, XX cloud, they also have some cloud services, there There will be some regular documents, whether it is an intermediary, whether it is a database, or other such services, they all have the same, that is, some websites I know have I will take them to find some information, and the other is the search engine . Another part is our company's internal resources. Yes, three parts.

【ask】

When it comes to search engines, how do you search for information? Can you give some examples?

【answer】

Search for information, you mean keywords, um or what?

【ask】

Yes, how to search, what is the search formula?

【answer】

Divided into several categories, if you want to do some research, or say my PPT, or say word, it is these kinds of relatively learning, for example, what file does our Google search engine have? type: pdf, and then we can search for the entire document by searching for keywords. Then, if we encounter some problems in the project, we will throw those exceptions. For example, what exception do you throw, what kind of exception is thrown? One, I posted it in that search engine, and then I searched, and then I basically used Google and Baidu in combination.

【ask】

Well, have you encountered some relatively macro problems, not so specific, but some more abstract problems, and then technical problems, and then you need to search in the search engine, so how did you search? this kind of problem.

【answer】

abstract question.

【ask】

Maybe what I described is not too accurate. It is neither a specific error, nor an error, but a relatively large and relatively large problem.

【answer】

without keywords do you mean?

【ask】

right.

【answer】

There are no keywords, or technical solutions, or anything else, and how do we find them. In fact, I don't know if I can answer your point accurately. I understand that what you want to ask is whether there are no clear keywords. If I am looking for it, how do I find it? Clarify the key words. I can't give you an example. For example, we are going to digitize now. In fact, I don't know what to do with digitization. How to call it digitization, right? Then I have to look for it. This kind of thing can't be found with a search engine. I do look for some books, and then look for some of that, and then, for example, which company in that industry is better at digitalization , X X or where, and then we search for this keyword in the company, which is what I did.

【ask】

The company said to go to his company's website to search?

【answer】

It’s the best practice, and it’s the best practice of other companies. Look for it, and see if there is any relevant information in these trends related to their company. They often do this. This is relatively abstract and relatively Less, not less. This is also my current predicament. I have encountered these problems, because I don't know what we want or the problems I am encountering at this stage . Where can I find them faster? I think it may not be my personal problem, but it may also be a common problem for everyone, that is, I don't know how to search in the search engine.

【ask】

Like the search engine can't solve it, it should be discussed with the team members, right?

【answer】

We can't discuss a lot of them, and if we talk about them, we may not understand.

【ask】

There is a question about the way of reading, but you also mentioned a point just now, that is, after you open a document, you can quickly locate the point and place you need, and then read the corresponding chapter, right? Are you used to this kind of quick positioning?

【answer】

right.

【ask】

Well, the next question is about what kind of documentation is considered a good document. As far as you think, what kind of documentation is considered a good developer documentation, it is very useful to use. You can roughly say several aspects.

【answer】

Well, I think what you said in your research report is actually the most important point is that your developer documentation needs to be updated in real time and right. I think this is the most important thing. If it is right, the rest It depends on whether the classification is clearer, right? I can find my problem relatively quickly, whether there are any best practices, and whether there are any examples. I think I will focus on these points. One point, you are at least right , the other is whether the structure is clear, or whether your classification is good enough . There are no best practices for the 3rd. Basically that's it.

【ask】

Have you ever encountered that kind of document that is not updated in time?

【answer】

There are too many, it is too much, it is quite difficult to do a good job of this developer documentation. The business is running, the business is changing all the time, right? The functions are being updated all the time. I think this is a pain point, but it is very painful , but I think you specialize in this kind of developer documentation, but it is not very good. How do you know what their functions look like? how did it get here?

【ask】

The developer documentation we make is to make a general one, not to say that it is aimed at a certain one, just want to do a user research? From the perspective of developers and users, to understand their pain points and what kind of documents they think are good documents, make a more general one. As mentioned before, I have interviewed some programs before, and then some said that their company is, um, there are some management means to ensure the update of this document, but it will definitely not be updated. So fast, synchronization can't be done. Then you look like in addition to the documentation of this open source tool, will it be a bigger problem if it is like the company's internal documentation?

【answer】

Certainly, each of our own teams has the business of each team. Is this kind of document exported by your business in a timely manner? It is impossible to be timely. I estimate that there are 8 out of 10. Internally, I don’t. Speaking of external, there are dedicated people who have the energy and resources to invest. You can say it is within the team, and then you can update this in real time. I think 8 out of 10 can't do it, um.

【ask】

Well, in terms of content, you think that as long as it is correct and correct, and then categorize it clearly, it will be fine, right?

【answer】

Yes, the rest is to have best practices.

【ask】

Good to ask another question. Well, as a programmer who has been working for a long time, based on your own experience and the habits of the people around you, do you think the profession of a programmer is similar to that of the people around you? Compared with other occupations, what are the characteristics of study habits and work habits?

【answer】

I understand it is because I have been in contact for so many years, most of the people may be like this, and they need to do more things, that is, the amount of information they need to be exposed to. It may be something, face, etc. There are many, and most of them are fast food. Maybe I have a problem with business problems like me, and then I can directly solve my business problems quickly. This is the first priority, basically this is . Is there any in-depth research on one aspect, and then I can take a look at its source code, and then I can take a look at its principle, this must be there, but it is not comprehensive, not to say that I am like this in every direction, Not at all. So, he is big-faced, I can solve my business and work problems, there is no problem. Then I have an aspect that I do, I am relatively in-depth, I know how it works, I know the logic it implements, that's all, um.

【ask】

That is to say, what you learn is not that much. It doesn't mean to learn everything systematically, but to learn according to the needs of the business, right?

【answer】

There is a lot of business-driven, and then, if you are interested, or you think a point or aspect of the business is more important, and then you can understand it in depth, and the rest can be solved quickly. Just do it.

【ask】

Yes, at your stage, are you more inclined to self-study, or are there other ways to study?

【answer】

Self-taught, most of the time.

【ask】

Well, um, there is another question about the language of this document, that is, do you usually read English documents or Chinese documents?

【answer】

More Chinese, less English.

【ask】

There are more Chinese and less English, because of the technology you can access, do they all provide Chinese versions?

【answer】

Now I think, because I am not talking about algorithms, engineering, engineering, basically there are no problems with domestic ones, but XX, XX actually has a lot of documents, in fact, the output is not bad, the internal The seeds are still quite strong, and the resources that have driven us are okay, and now there are other companies? They still have a lot of information on engineering, and they can basically solve all problems, but some If you really don't have it, you can't help it. Maybe you can read it with some translation software. Are you reluctant to read it? do you know?

【ask】

Then if the software documentation can provide this Chinese and English version, you are more willing to read Chinese, right?

【answer】

right.

【ask】

Hmm, okay, there is another question about how to get started with a technology and software. I have interviewed a few before, including students and developers who have just worked for a year or two. They all mentioned So, when you get started, you like to watch videos and tutorials. If you work for a long time, should you prefer to watch text or watch videos.

【answer】

The text, well, the video is too slow and takes too long.

【ask】

That is, when there is a lot of accumulation of technology, if you learn new things, there should be a transfer between new knowledge and old knowledge . For example, after learning one programming language, you may learn another programming language faster. Easier.

【answer】

It should be, the logic may be the same. Isn't that what the language is? It's branching, looping, that's all. It is said that it is possible to learn how to write grammar without systematic study.