

Job Interviews

Systems Testing Interview round at Google



mQcv12

Aug 8

I have interview at Google. One of the Interview round is Systems Testing.

Google

Interview

Testing

Questions

1. What should I expect in Systems Testing round. Could you please give me any resources for preparation for Systems Testing. ? Any example of Systems Testing question.

50 words minimum.

2. What Google wants to find out. Any tips would be appreciated.

50 words minimum.

2 Answers

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1. What should I expect in Systems Testing round. Could you please give me any resources for preparation for Systems Testing. ? Any example of Systems Testing question.

System testing is basically try to see whether the whole system fulfill the requirements. In other words, you have to understand the whole end to end system, interface, functionality, etc. I would suggest to understand the general system design principle, then system testing part will be easy to resolve. For example, how do you test to verify your new service can be provisioned globally and stable? How many query per second will break your system? how large latency of the http/rpc response will make your system exceed deadline? how do you justify the number of replication of your service/data is enough? do you need to test on load balancing?


2. What Google wants to find out. Any tips would be appreciated.

I think the major concern is whether you can have a broad view to understand the pros and cons of a system, even a system is large. For instance,

1. Why and where you need test? E.g. which part needs functional/unit test? does integration test is required, and which systems require integration test?
2. How do you protect your system? E.g. do you want to expose your http/rpc endpoint? have you considered to use micro-services? what makes you decide to do that?
3. Sustainability and availability. E.g. Does the spike traffic (e.g. customers shop on black Friday) will make your system crash?
4. Consistency. E.g. does your system require strong consistency? which part of the system is allowed to have eventually consistency? why? How do you guarantee the SLA?
5. Privacy. E.g. How does your service satisfy the general customer privacy concern, local law or gdpr for instance.
6. Scalability. E.g. How to make your system scalable? Have you considered the scenario that you may have 100 times of users after 5 years? How do you plan with it (e.g. API design?)

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I would like to appreciate quick help , detailed points , suggestions. Answer is really very helpful.

 days Google
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1. What should I expect in Systems Testing round. Could you please give me any resources for preparation for Systems Testing. ? Any example of Systems Testing question.

System testing interview at Google wants to test you on your understanding of different class of tests (functional, scalability, reliability, performance, etc) as well as identify areas of automation you can do.

<https://www.testingexcellence.com/software-testing-tutorial/>

This is pretty good websites to get start with. If you are not familiar with different testing techniques and automation, learn the concepts first.

After you've learned the concepts, take a look at this for some examples of questions you can expect to see:

<https://www.testingexcellence.com/software-testing-interview-questions-answers/>

Ignore those questions that are specific to Agile and web (unless you are interviewing for a position related to web development and agile. Overall there are still a lot of good generic questions related to testing in the post.

2. What Google wants to find out. Any tips would be appreciated.

I suppose you are interviewing for a testing position since they don't have such round in regular software engineer interview. We want to know if you know all the system testing practice and how to automate system testing. If you have previous experience on working as a testing engineer, try to think of how you usually do your work and mention if there's any difficulties you've encountered and how you solve them. If not, just say some textbook answers, as long as you can show that you know how testing works that's good enough.

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I would like to appreciate quick help and helpful tips, resources. It is very helpful.

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