

Barun Kumar Yadav

From: Barun Kumar Yadav
Sent: Tuesday, August 01, 2017 11:49 AM
To: Abhishek Singhal; Rashid Noorani
Cc: Abhishek Singh 19
Subject: Goldman | In Person Process

Hi Abhishek/Rashid,

I have provided below the details around the In Person process at GS and my experience below. Its somewhat in line with what Abhishek Singh went through, I am sure he would have something to add here.

An important point I would like to call out after going through this is that CODERPAD screening doesn't constitute as heavily towards selection as what I heard before attempting. Certainly that it needs to be cleared, but post that it doesn't help.

In Person Process

Two rounds on interview

- First round of interview – Approx 20 min (Conducted by a Developer – Best guess this person would be parallel to Sr L2 title in Sapient)
- Second round of interview – Approx 20 min (Conducted by a Senior Developer/Arch – Best guess this person would be parallel to Manager title in Sapient)

Both would come in with printed resume in hand. And a pen and paper would be provided to write and explain a few things

First Round

This person tends more towards the programming languages you have experience on rather than getting into project level details. He will be very keen on Java, as that is the primary skill set they are looking for. Here are the list of questions one would expect

- Have you worked on Java 8? What features are introduced in Java 8?
- Have you worked on multi-threading?
- He would ask scenario question possibly a use case of Countdownlatch/Cyclicbarrier. Question put up for me was – If you need to trigger 4 tasks in parallel and there are 1000 such cases what approach would you take? Asks to write it on paper, doesn't need to be in proper syntax, he would just try to get an idea if you are moving in right direction.
- Have you worked with ConcurrentHashMap? What use case it would fit in.
- Have you worked on Spring? Didn't follow up with any questions on that for me, but I guess he may with very basic question as everyone is expected to have worked on this.
- DB – What use case you would see Normalization unfit?
- What design patterns have you used? If a few not so common(singleton,dao,factory..) patterns are put up it would not lead to any follow up questions
- Example for "Template Design Pattern", they use it a lot in their reporting application.
- What front end frameworks have you worked on? (They use angular JS and are moving to React JS)
- Couple of logic questions, similar exercise that's been done for Coderpad. Just explaining the logic would do. I had below two
 - Find number combinations (a,b) in a given range so that $a^b = b^a$
 - Find longest palindrome in the given string

Any questions that you may have for interviewer

Second Round

This person looks in to specific areas in recent project that probably might be used in his project. The question never starts with what work you were doing in your last project but eventually you will turn up explaining that. Below are questions asked to me

- First was a design question (bit back and forth on this, I have captured highlights)
 - You have a task that needs to run 11 am every day and at 6 am on Monday (My Answer – On a windows server we can schedule events)
 - What about Linux machine (My Answer – Cron job)
 - What if there are 1000 such jobs, using Java (My Answer – Will maintain in DB and assuming jobs are not inserted real time the Java program will query and cache entries for next hour and trigger jobs accordingly)
 - What if it is in real-time (My Answer – New jobs will be posted in JMS queue and Java program will listen to queue. It will pick that and make entry into DB table and rest is same as above)
- Any caching mechanisms you have worked on?
- What ORM frameworks you have experience on? Have you configured caching in that?
- He saw some data hub related work in recent project, so he questioned around that. (lot of time was spent here explaining him the architecture of the project and team setup here)
- Another question Performance again picking up from my recent project work. (Ran him through how performance monitoring was done)
- Have you worked on REST? I didn't had any dev experience on it but told him I understand all the concepts around it so he can ask anything. Didn't asked anything
- What DB's have you worked on? No further questions on this

Thanks

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