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Off-campus (2nd july - 11th august)

Round 1 :: Online Assessment (2 hrs)
  1. Section 1 : 30 MCQ (CS fundamentals + Aptitude)
  2. Section 2 : 2 coding question (1 Medium & 1 Hard)
  3. This was hosted on prepbytes.com (it was a global contest and from here top 50 were shortlisted).

Round 2 :: Online Assessment (3 hrs)
  1. 3 coding questions (Easy - Medium - Hard). All three questions were graph based. **2. Given a directed graph(multi-component and every node has only one exit point i.e., a directed tree). Find the followings :- 1. Node with Maximum In-degree Sum.**

  2. Largest Sum cycle(Sum is here summation of all node values in the cycle).

  3. Nearest Meeting point of 2 Nodes in the graph.
  3. This was again hosted on prepbytes.com (it was a closed contest for only shortlisted candidates).

Round 3 :: Hackathon (Below was the pattern)

  1. The hackathon will be a 3 day process. In these three days, you will be working on a problem statement which has 2 parts (Part A and Part B) ,which will be followed by interviews.

  *2. **Each stage is an elimination round**, for eg. if you clear part A you will move to Part B, if you clear Part B you will move to the interview stage.*

  3. For part B and interviews we will be contacting you personally to check the date and time slot.

  4. You will be evaluated on different competencies like problem-solving abilities, coding, data structure and algorithm concepts, technical deep dive into concepts, systems understanding, etc.

  5. Our engineering team and the hiring managers would be happy to help you during the Hackathon process over slack for part B ; and will also do the personal discussion with

Part A :: 3hrs - Coding Question - HackerEarth

https://leetcode.com/discuss/interview-question/1221635/juspay-hackathon-round-question

(someone already posted this question and I was lucky that while searching for interview experiences of juspay i got this coding question)

Part B :: Virtual meet on slack

Same problem as above but now the challenge was to make it thread safe - multithreading. It was live on slack and we had almost a day to think and give solutions for the same. We also had a mentee to help us.

Round 4 :: Technical Round 1 (1 hr)

1. Standard Cs fundamental question. (you can find them here)
2. In-depth Project discussion
3. A very standard Linked List problem
   - Given node pointer of a node in a singly linked list, delete it. (you're not given head of the LL, only the node we have to delete is given)

Round 5 :: Final Technical Round 1 (45 mins)

1. Standard Cs fundamental question. (you can find them here)
2. Design AmongUs(a very popular game) - I was asked to give OOAD of the gameplay before the actual game starts. Here is the basic MVP that I proposed to them - https://ideone.com/J78KjS
3. This interview was taken by two interviewers and one of them was the CTO.

Round 6 :: Final Technical Round 2 (75 mins)

1. Standard Cs fundamental question. (you can find them here)
2. Given a node of a binary tree, find it's next preorder node.

3. A Convex Hull related problem, I had to only explain the algorithm.
4. What is a stable sort ? Name a few.
5. In a contest there were millions of participants and you want to display first K ranks participants(by score) in the scoreboard. Give an algorithm to achieve this in best time and space complexity. I gave him an O(KlogN) Solution and he was satisfied.
6. How do Vectors(STL) manage space? - I explained to them capacity vs size of vector.
7. What are diodes and transistors?
8. This round was again taken by two interviewers and one of them was CEO.

Round 7 :: HR Round (30 mins)
1. About my family
2. Where do I live ?
3. What you know about us.
4. Expected CTC. (Main part - negotiation)

I was offered an internship(50k per month) + FTE(15 LPA CTC).