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InfoEdge Interview Experience

Round1: Online Assessment (40 min) - 24th July, 2021

It consisted of 35 questions and there was a sectional time limit.

First there were 15 Aptitude questions (20 min), next there were 15 C output based and DSA related questions (20 min).

Take care of time for this round.

All the next rounds were held on 30th July, 2021

Round 2: Technical Round-1 (11:30 a.m. - 12:30 p.m.)

This round started with the basic introduction.

Then there was a detailed discussion on all my projects from in and out.

Some questions are as follows:

- I used JWT and Google OAuth, so I had to explain the complete flow of the same in detail.
- Difference between token based and session based authentication, corresponding advantages and disadvantages
- She asked me to write queries related to MongoDB, for establishing the connections, creating the schema, inserting the data, etc.
- Real life applications of MongoDB
- Difference between MySQL and MongoDB, corresponding advantages and disadvantages.
- Distributed system, Scaling

Then she gave me 3 coding questions.

1. Implement queue with help of stacks
2. Given an array and a target, find a pair whose sum is equal to target (Two Sum on Leetcode)
3. Rearrange array. Move all the negative numbers to the left and positive numbers to the right.

She asked me to write the code only for 2nd question on an online editor and tests few test cases

In the end, she asked me about static methods, finally block and real life applications of linkedlist and arrays.

Round 3: Technical Round-2 (3:30 p.m. - 4:14 p.m.)

This round directly started with 2 coding questions

1. Level order traversal of a Binary Tree.
2. Print all the permutations of a string

Then he asked me to define a database which is not in normalized form first(not even in 1NF) and then I had to convert it into normalized form. Basically he wanted to check the understanding of all the normal forms.
In the end, he asked about virtual memory and page faults.

Round 4: Technical Round-3 (6:00 p.m. - 7:00 p.m.)

This round started with introducing myself and then again there was a very detailed discussion on my projects.

I used socket.io , so he asked every detail about it.
He asked about TCP, HTTP, difference between them

Then he asked a lot of questions on database optimization.
He asked if there is a very large database and we have not enough storage then how will we deal with this. I told him about Sharding(Sharding is a method of splitting and storing a single logical dataset in multiple databases). Then he asked me about the ways to do Sharding.(Horizontal and Vertical). After sharding, how will you decide which query should be assigned to which database?I told him about the Load Balancer.Then he asked me how Load Balancer handles all of this. (Some hashing techniques)

Also, there were questions on MongoDB like in the 1st round.

Then he asked if there is any application and we are performing any query and the response is taking so much time then how will you troubleshoot this problem.

I am not sure how correct I was but I tried to answer all the questions.

After that he moved to 1 coding question.

Given a string, find the first occurrence of the first repeating substring of length 4.

I/P1: aaaabbccaabbd

O/P: 8 (aabb is repeating)

I/P2: aaaaaa

O/P: 1 (aaaa is repeating)

Then there was a discussion on hashing, collision handling, etc.

In the end, he asked me why InfoEdge and in which type of environment you are looking to work.

Round 5: HR Round (7:30 p.m. - 7:40 p.m.)

1. Introduction

2. brief about my projects
3. something I know about InfoEdge

Suggestions:

1. You should know each and every detail about your projects. Their main focus was on **projects** and also on **databases**.
2. You should be clear with your **fundamental concepts**.
3. It is not like that if you answer all the questions correctly then only you will clear this. They just check your **thought process** and **clarity of concepts**. You should keep trying.
4. **Believe in yourself**. If you have prepared well, you will surely get what you want.