Accolite Interview Experience
(ROLE: Software Developer)

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ROUND 1 - Online Assessment and Coding Round [90 mins]

The test was organized on Eduthrill Platform.
● There were a total of 31 questions (30 MCQs and 1 coding question).
● The time given for both the sections was 90 minutes (no restrictions on switching between sections).

The questions varied from a vast range of topics to name a few I would say that a decent knowledge of Aptitude & Reasoning, Data Structures, Time Complexities of Basic Algorithms, Sorting Algorithms, DBMS, Computer Architecture & Operating Systems would suffice to clear this round.

The coding question asked was somewhat like this problem:-
https://www.codingninjas.com/studio/problems/max-path-value_1082555

9 students were selected for the next rounds.

ROUND 2 - Technical Interview 1 [60 mins]

The interviewer started with her introduction then she asked me to introduce myself . She then asked me to give a basic outline of one of my projects and asked a few questions. After which she started to test my knowledge of Computer Fundamentals.

● In OOPs I was asked about the pillars and then I was required to give real life examples for the same and also I was asked to implement it on Google Docs.
● Several questions from Operating Systems were also asked.
● In DBMS I was asked to write a query to fetch the 2nd largest salary.
Then she went on to the DSA part where I was given a question to check whether a given word is an anagram of another given word.

Here's how I attempted my DSA problems:
● Firstly I asked her what the parameters for the function were and what needed to be returned.
● Then I gave her an example and asked her if that is the answer she was looking for.
● Asked her some time to think and come up with a solution.

● After getting the idea to solve it I told her my approach and if the interviewer was satisfied they asked me to code it on Notepad or google docs.
During the time I was coding my solution, I made sure to speak whatever I was doing the whole time in order to convey myself properly.

After this she was done with her part and asked me whether I had any questions for her.

7 students made it to the next round.

ROUND 3 - Technical Interview 2 [60 mins]

The interviewer started with her introduction then she asked me to introduce myself . She then asked me to choose the project which I thought was the most challenging and then went on to ask some questions in detail about the same . I was also asked whether the project was a team project or not. After which she started to ask me questions related to JAVA (even after telling her my language of choice was C++, I was asked many questions in JAVA which happens in case the interviewer has experience in JAVA)

● Exception handling in C++ with code snippets to demonstrate how it's done, different types of exceptions and difference between errors and exceptions.
● In OOPs I was asked to implement several classes and use inheritance, method overloading and method overriding.
● Several questions from Operating Systems were also asked like Deadlock, Mutex and Semaphore and a lot more.
● In DBMS I was asked about the ACID properties in detail.

Then she went on to the DSA part where I was given two questions.

First question was to find the middle of the linked list.

Second question was where I was given a string which had repeated characters and I needed to return a string with the characters in the same order but without repetition.
After this she was done with her part and asked me whether I had any questions for her.

3 students made it to the next round.

ROUND 4 - Technical Interview 3 [60 mins]

In this interview there was no introduction given or asked but he started directly with questions.

He started with OOPs and was not interested in theory but asked me to implement classes and demonstrate how to inherit classes , use of access specifiers and how ambiguity in multiple inheritance is resolved, run time and compile time polymorphism , method overriding and its use case, abstract classes and how to implement them. There were also questions on objects & constructors and the use of scope resolution operators , this took the majority of the time.

Then he switched to DSA and asked me to check if there is a cycle present in the linked list. After which I was given multiple code snippets and I had to tell the output for the same and how the code was working.

In DBMS, I was asked to make a database which could generate a list of days that a particular employee has taken off in a month. I was asked to define the whole schema of the database and how it would work.

He was done with his questions and asked me if I had any questions for him.

2 students were selected for the HR round.

ROUND 5 - HR Interview [50 mins]

This interview started with her giving her introduction and then she went through my entire resume and asked a lot of questions including a brief about one of my projects and why I did such a project, she asked me about my previous work experience and some of my achievements. I was asked how I would benefit this organization and what were my strengths and weaknesses. She also asked me a few questions about the organization. Then she went on to explain the salary distribution and briefed me about the roles that were offered (Internship + FTE or FTE only). After this I was asked whether I had any questions. I asked quite a few questions and made sure that the interviewer knew that I wanted to work for this organization.

Verdict: Selected for Internship + FTE offer
2 students were given an Internship + FTE offer.

Tips:

● One should have a good understanding of Data Structures and Algorithms and more than this they should be able to express what they think properly. Communication can very well make or break the result.

● A good understanding of all the fundamentals like Operating Systems, OOPs and DBMS is equally important as a lot of questions regarding the same are asked.

● Be confident in what you speak but try not to sound arrogant.

● Whatever be the problem, don't just go on to answer as soon as the interviewer finishes the question, take some time to analyze the question, frame a proper answer in your head and then counter question the interviewer to get a better understanding of the question, use examples if needed.

● You could manipulate the interviewer in asking questions that you have a good knowledge of by ending your answers with keywords that are related to certain topics.

● Do remember that the interviewer is just another human being and mold your behavior accordingly based on the mood that you perceive.

● One more piece of advice I would like to give everyone is that the interviewer does not know you personally and only judges you on the basis of what little time they spend with you and how you communicate with them, so forget all your past mistakes and failures and take every interview as a fresh start and give your best.

● Lastly I would like everyone reading this to understand that interviews are just a conversation between two individuals and not an interrogation, so please please do ask meaningful questions at the end, this would also give you a chance to get a perspective of what the interviewers are looking for.

ALL THE VERY BEST !