

Ciena Interview Experience - (C/C++ Profile)

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Total Rounds: 4 (OA + 2 Tech. + HR)

Round1: Online Assessment(60 min.)

There were 2 different assessments set up according to the profile for which the students had applied (One for the C/C++ profile and the other for the Java profile).

- C/C++ Profile assessment had two sets of assessments, one set consists of 45 MCQs, while the other set consists of three coding questions.

I got a set consisting of 45 MCQs related to aptitude and reasoning, error finding in C codes, find output of given C codes and some CS core subjects MCQs.

Difficulty level: Easy to moderate.

Round2: Technical Interview-1 (45-50 min.)

At first the interviewer asked me how are you and I replied "good". And then he said how do you feel and I said "great". Then he asked me about my rank in DUMCA. And my strategies to prepare, what do I prefer reading books or watching videos.

After introductory questions he asked C questions :

- Give examples of array of pointers and pointer to an array
- What is static variable
- Can you declare static variable in header file(.h) file. Will there be a problem?

There were more C conceptual questions. Refer the book "Let Us C" .

There were some basic to intermediate DSA questions:

- Count number of 1s.
- Some bitwise related questions.
- Some linked list related problems.

There were some theoretical questions from Computer Networks and Operating System like scheduling algorithms, different layers in different models.

The interviewer may try to check your confidence like in my case , I gave him the right answer then too he kept me asking the same questions and said that he is giving me one last chance . Be confident and Even if you are wrong give a logical reason to support your point.

The interviewer kept asking me questions and raising the levels until he was satisfied with my answers.

Round3: Technical Interview-2 (40-45 min.)

At the beginning itself the interviewer gave me 4 C output questions , all were related to pointers, the level was hard.

It took me some time to find the answers and I kept on discussing with the interviewer and he was satisfied with my answers.

Then he asked some DSA questions based on linked list and bit manipulation , the level was intermediate.

And then he asked about session layer in CN.

In OS he asked me about scheduling algorithms and gave me a situation to apply the best algorithm.

Then he gave me a piece of code and asked to show where in the memory it will be stored.

I kept on answering the questions and In the end he said OK.

Round4: HR Interview

It could not be scheduled due to lack of time and I was already shortlisted.

Suggestions:

- 1.Keep yourself calm.
- 2.first think , then speak
- 3.Don't panic even if you don't know the answer in the first place. Start thinking logically and try to recall your basics.
- 4.Strengthen your basics specially in C.

How to prepare:

- You have to be very good at C. Refer the book "LET US C" which will acquaint you with the basics of C but this much is not enough. Then start practicing C output questions specially of pointers from websites like interviewbit , sanfoundary.
- Core concepts of subjects like Computer Networks and Operating System must be at your finger tips.
- For DSA , the questions asked are mainly of intermediate level , prepare for topics like linked list,bitwise manipulation,stack ,queue,array ,string etc. The interviewer may keep on changing the questions so be prepared accordingly with all time complexities.

- You must know everything you mention in your resume . You may be asked to write any piece of code from your project.

All the BEST