

CRADLEPOINT INTERVIEW EXPERIENCE

SHALINI PATHAK (MSc 2020-22)

(6M Internship)

Online Assessment

(codesignals)

1. Add one to the number represented as elements of array and return the new number.

Eg : [1,2,3] is given the returned value should be [1,2,4].

[9,9,9] is given then returned value should be [1,0,0,0].

2. Given a binary tree, print all root to leaf paths.

3. A string is beautiful if each letter in string appears at most as many times as the previous letter in the alphabet within the string. i.e b occurs no more than a. if a string is beautiful return true.

Technical Round 1:

Interviewer: Kumar Kanhaiya

Sir was very nice. He first asked me to introduce myself, he tried his best to make me comfortable. Then he asked me about my projects.

He asked me whether I have worked on JavaScript (though I had not mentioned anything about JavaScript in my resume) 😞. He also asked about MongoDB.

Then he asked few questions related to DBMS (indexing, normalization) and he made me write SQL query too. Then he jumped to Networking portion, asked 6-7 questions then he asked about http and https, DNS. He asked me 2-3 questions about Machine learning too (as my resume was like this).

Then he switched to DSA problems and told me discuss the approaches with him and take help (if needed).

Q1: Print all elements of a tree level wise.

He then asked me to dry run the code and explain its working.

Q2: If two linked lists are given to us then find the common point among them.

He then asked me the running time of my code then he told me to give an optimized approach with running time.

Q3: Find the number of steps taken to reach a point.

He just listened to my approach, put up questions from it.

Technical Round 2:

Interviewer: Vivek Sir

He is an alumnus of DUCS only. Firstly , he asked me to introduce myself then he asked about my projects. Then he asked about the things and technologies I have used in my projects.

Q1. Why you want to join a networking company if you have never worked in any such area?

Q2. Tell me the what is IP address and why we use it?

Q3. What is a port?

Q4. Difference between IP address and Port?

After that we discussed about his journey from DUCS to VP of CradlePoint.

Then I got a call from HR in evening. She just congratulated me and asked about my family.

Tips:

1. Be confident.
2. Keep talking to interviewer.
3. Share your ideas with the interviewer.
4. Keep the problem clear in your mind.
5. Make sure that you dry run your code in front of your interviewer.

All the best!! 😊

