

Anubhav Sethi (MCA) - Resume

Amazon : On-campus (30th Aug. - 2nd Sept.)

Round 1 :: Online Assessment (2.5 hour)

1. Section 1 : Debugging Assessment - 10 Problems - 20mins
2. Section 2 : Coding Assessment - 2 Problems - 70 mins
 - a. <https://www.geeksforgeeks.org/count-of-ways-to-split-a-given-number-into-prime-segments/>
 - b. <https://leetcode.com/discuss/general-discussion/1050386/amazon-oa2-count-team-question>
3. Section 3 : Work Style Assessment - 50 MCQ - 20 mins
4. Section 4 : Aptitude Assessment - 24 MCQ - 35 mins
5. Section 5 : Feedback (Mandatory)
6. *A total of 35 were shortlisted !*

Round 2 :: Technical Round 1 (1 hour)

1. We introduced ourselves.
2. Then we directly started off with DSA problems.
 - a. <https://leetcode.com/problems/diameter-of-binary-tree/> : I directly proposed to him the optimal solution - $O(N)$. He was okay with it and we moved on to the next problem. Since this was an easy problem, I didn't want to waste time in explaining the $O(N^2)$ solution then $O(N)$ solution.
 - b. <https://leetcode.com/problems/palindrome-partitioning-ii/> : A standard DP problem but I gave him a graph based solution which is slightly tricky and hard to explain(*I was trying to be over smart and show off my knowledge*). It took me around 30mins to convince + code the solution. Wasted a lot of time here just because i chose a non-standard approach to explain. I could simply write a recursive + memo or bottom-up DP based solution but that was very standard. So I took a risk and explained to him the graph based solution and delivered the results in time.
 - c. <https://leetcode.com/problems/remove-k-digits/> : Since I was left with only 15 mins, i directly explained him optimal solution i.e., using stacks. He was okay with it and asked me to code the same and dry run on some corner test cases.

Round 3 :: Technical Round 2 (1 hour)

1. We introduced ourselves.
2. Then we directly started off with DSA problems.
 - a. <https://leetcode.com/problems/gas-station/> : A directly gave him an optimal solution since it's an easy and very popular question. He asked me to write production ready code i.e., Modular + Good Variable Naming + Commented + tested on various edge cases.
 - b. <https://www.geeksforgeeks.org/connect-nodes-at-same-level-with-o1-extra-space/> : I gave him a level order traversal based solution which is very standard. He asked me to code it and dry run on various corner cases.
3. Behavioural Question : What was the most challenging task you faced recently ?
4. Advice : Both problems were fairly easy right ? Both problems were presented with minimal information. You have to do requirement gathering like : What will be given as input to us ? What will tree node structure look like ? Any chance of getting wrong inputs ? What do we need to print in such cases ? etc.

Round 4 :: Bar Raiser Round (1hr)

1. We introduced ourselves.
2. Behavioural Question : Tell me about a time when you had no idea how to solve a problem/task/issue and how you solved it ? What was the outcome ?
 - a. We had a discussion on my Zoo-Hackathon project. It was around a 25 mins discussion.
3. Given a HTML page in the form of string. Output if it's a valid HTML page.
 - a. This was the most difficult/vague problem of all the questions that were being asked in amazon interviews.
 - b. I gave him a graph based solution and he was okay with it but it took me more than 30 mins to explain it so I couldn't code it in the given amount of time.
 - c. But the interviewer was happy coz I did well in behavioural question xD

Advices

1. In each round I was trying to showcase Amazon LP's in my coding + behavioural question. Which is very important at least for amazon LoL.
2. Round 1 & 2 : Deliver Results, Bias for Action & Dive Deep.
3. Round 3 : Learn and Be Curious & Dive Deep.
4. Always follow best practices and write production level code.
5. Always Stay positive(which I was not ;p)
6. Don't try to anticipate the outcome of your interview (or anyone else's).
7. The interviews are more like a healthy discussion not an exam.
8. Assume that you can be asked anything from your resume in detail.
9. Failures/Rejections are always a part of your success.

I was offered a 6M Internship + FTE.