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Amazon Interview Experience | SDE-1 (Off-Campus, 1 Year Experienced)

- Difficulty Level :\n[Medium](#)
- Last Updated :\n10 Aug, 2020

Hey guys !\xc2\xa0
I am sharing with you my interview experience with Amazon for SDE-1 role in June 2020. I was contacted by the HR asking me for my Resume. Next day she said she will be sharing an Online Assessment link.\xc2\xa0

Round 1:(Online Coding Round on Amcat Platform)\xc2\xa0

There were two coding questions need to be completed in 90 Min.\xc2\xa0
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1. https://leetcode.com/discuss/interview-question/542597/
2. https://leetcode.com/discuss/interview-question/411357/

https://leetcode.com/discuss/interview-question/344650/Amazon-Online-Assessment-Questions/350386\xe2\x80\xb3>
After this round, All rounds were **Virtual Onsite Interviews** of 1 hr each held on video call through Amazon Chime.\xc2\xa0

Round 2:\xc2\xa0

This round started with the Interviewer\xe2\x80\x99s introduction and then my introduction. He then jumped to questions.\xc2\xa0
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1. [Search an element in a sorted and\xc2\xa0rotated array](#)

I gave him the pivoted approach. He then asked me to code it on a live code share.\xc2\xa0

2. Follow-up question: He asked me to solve it in a single Binary Search without finding the pivot.\xc2\xa0

Then I gave him the Improved Solution and he asked me to code it.\xc2\xa0

3. Tell me about a project that you have completed in your current organization.\xc2\xa0

4. Behavioural question: Any situation when you had to cut corners to meet a deadline.\xc2\xa0

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Round 3:\xc2\xa0

This round again started with the Interviewer\xe2\x80\x99s introduction and then my introduction. He then jumped to questions.\xc2\xa0
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1. [Count number of occurrences (or frequency) in a sorted array](#)

First I gave him the naive approach and then optimized to the best solution. He asked me to code

it.\xc2\xa0

2. There are N bags, each having some no. of coins given by an array. We will be making K turns. In each turn, we have to select a bag and take out half coins from it (if coins=even, then coins/2 else coins/2+1). Return the maximum no. of coins that can be taken out in K turns.\xc2\xa0

Approach: Solved using Max Heap.\xc2\xa0

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Round 4:(Hiring Manager)\xc2\xa0

This round again started with the Interviewer\xe2\x80\x99s introduction and then my introduction. He then asked me a lot of Behavioural questions related to the projects for the first 40 minutes. [Here](#) you can find some Amazon Behavioural Questions. Then he asked 2 coding questions:\xc2\xa0
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1. [Print all subarrays with 0 sum](#)

We first discussed the approach and then he asked me to code it.\xc2\xa0

2. [Print all pairs with given sum](#)\xc2\xa0

He wants me to discuss all the possible solutions (Naive, Sorting, Hashing) with their time complexities. Only the approach, no need to code.\xc2\xa0

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Round 5:(Bar Raiser)\xc2\xa0

This round was taken by a Senior SDE having 10+ years of experience at Amazon. The round started with his introduction and then my introduction.\xc2\xa0
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1. Tell me about a project that you have completed in your current organization.
2. Some Behavioural questions related to the project.
3. [Transform a BST to greater sum tree](#)
4. [Find intersection of intervals given by two lists](#)

Verdict: Selected

My Personal Notes\n*arrow_drop_up*

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