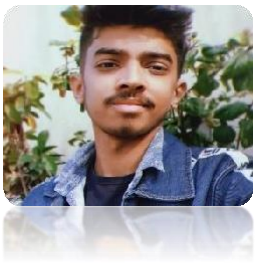
Company Preparation

Interview Process & Most Asked Questions in Technical interview and OA of -

amazon (Part-2)



Just simplified my experience here...

Hope it goona help you all...

Save this pdf and thanks me later

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Part 1 link:

https://www.linkedin.com/posts/himanshushekhar16_amazon-part-1-activity-6964226574413934592-0jU2?utm_source=linkedin_share&utm_medium=member_desktop_web

AMAZON INTERVIEW PROCESS

Online Assessment Round

Online assessment is the process of conducting a test online to gauge the participants' learning and mastery over a particular subject.

3 question have been asked and 1 hours alloted.
Difficulty level is Medium
All problems should be done in order to get a call for technical interview rounds

Data Structures and Algorithms Rounds(3 Rounds)

The candidate is asked DS/Algo problems where production ready code might be expected from the candidate. It is not out of the realm of possibility to face minor behavioural questions here as well. The problems range from easy to hard but they are not the sole deciding factor for the final offer. Leadership principles also come into play here. The interviews are conducted on Amazon Chime.

The main focus of these technical rounds are to check problem solving ability of a candidate. Be Prepared it well

HR Round(1 Round)

This is when they ask computer science theory and behavioural questions to the candidate. The questions may enquire about the candidate’s experience at previous companies and conflicts the candidate might have faced with colleagues/managers.

Should prepare all HR questions

Previously Asked Questions

- Kth largest element in BST
- Longest Palindrome in a String
- Nth Fibonacci Number
- Edit Distance
- Largest BST
- Intersection of two sorted Linked lists
- Sort a stack
- Stickler Thief
- Value equal to index value
- Interleaved Strings
- Implement Queue using array
- Perfect Sum Problem
- Largest subarray of 0's and 1's
- Min distance between two given nodes of a Binary Tree
- Non Repeating Character
- k-th smallest element in BST

- Minimum Cost of ropes
- Delete nodes having greater value on right
- Longest Common Substring
- Floor in a Sorted Array
- Find All Four Sum Numbers
- Level order traversal Line by Line
- Count ways to reach the n'th stair
- K distance from root
- Special Stack
- Key Pair
- Heap Sort
- Heap

- Third largest element
- Number of Coins
- Smallest window in a string containing all the characters of another string
- Egg Dropping Puzzle
- Permutations of a given string

- Valid Substring
- Allocate minimum number of pages
- Minimum Spanning Tree
- Binary Heap Operations
- Max rectangle
- Steps by Knight
- First non-repeating character in a stream
- Delete Middle of Linked List
- Minimum sum partition
- Leaf at same level
- Max Circular Subarray Sum
- Alternate positive and negative numbers
- Count Pairs whose sum is equal to X
- Merge k Sorted Arrays
- Max sum in the configuration
- Reverse First K elements of Queue
- Search in a Rotated Array
- Merge K sorted linked lists

- Longest Repeating Subsequence
- Transform to Sum Tree
- Replace all 0's with 5
- Find the median
- Bitonic Point
- Prime Number
- Inorder Successor in BST
- Palindromic Partitioning
- M-Coloring Problem
- Longest Prefix Suffix
- Count the Zeros
- Roman Number to Integer
- Diagonal Traversal of Binary Tree
- Number of occurrence
- Next Permutation
- Check if Tree is Isomorphic
- Maximum difference between node and its ancestor
- Insert in a Sorted List

- Rearrange an array with O(1) extra space
- Maximum Width of Tree
- Maximum sum increasing subsequence
- Count the number of possible triangles
- Sorted insert for circular linked list
- Minimum Depth of a Binary Tree
- Queue Reversal
- k largest elements
- Largest number in K swaps
- Longest Sub-Array with Sum K
- Strongly Connected Components (Kosaraju's Algo)
- Merge Sort for Linked List
- Smallest subarray with sum greater than x
- Zero Sum Subarrays
- Unique BST's
- Clone a linked list with next and random pointer
- Delete node in Doubly Linked List
- First negative integer in every window of size k

- Serialize and Deserialize a Binary Tree
- Count number of hops
- Boolean Parenthesization
- Non Repeating Numbers
- Gold Mine Problem
- Run Length Encoding
- Print BST elements in given range
- Word Break
- Rotten Oranges
- Count triplets with sum smaller than X
- Intersection of Two Linked Lists
- Rotation
- Knapsack with Duplicate Items
- Alien Dictionary
- Jump Game
- Find the Closest Element in BST
- Combination Sum
- Length of the longest substring

- Counting elements in two arrays
- Search in a matrix
- Swap Kth nodes from ends
- Median of 2 Sorted Arrays of Different Sizes
- K largest elements
- Largest Number formed from an Array
- Swapping pairs make sum equal
- Anagram of String
- Find a pair with given target in BST
- Longest K unique characters substring
- Hash
- Binary Tree to BST
- Maximum path sum in matrix
- Reorder List
- Stock buy and sell
- Kth element in Matrix
- Sorted subsequence of size 3
- Find whether path exist

TIPS FOR AMAZON INTERVIEW PREPARATION

Now that we know about the rich heritage of Amazon, its work culture, and Leadership Principles, I am sure that you are tempted to interview at Amazon and take a job! Here are a few tips which you can use to crack Amazon's interview and get a job

1. **Understand the Leadership Principles Well** - As mentioned before, Amazonians take great pride as far as their Leadership Principles are concerned. Therefore, knowing about these principles and citing an instance or two where the candidate has applied them in real life will have a positive impact on the interviewers. This leaves an impression that the candidate is genuinely interested in working with the company.

2. **Be Thorough with Data Structures and Algorithms** - At Amazon, there is always an appreciation for great problem solvers. If you want to have a good impression of the interviewers, the best way is to prove that you have worked a lot on developing your logic structures and solving algorithmic problems. A good understanding of Data Structures and Algorithms and having one or two good projects always earn you brownie points with Amazon.

3. **Use the STAR method to format your Response** - STAR is an acronym for Situation, Task, Action, and Result. The STAR method is a structured way to respond to behavioral-based interview questions. To answer a provided question using the STAR method, you start by describing the situation that was at hand, the Task which needed to be done, the action taken by you as a response to the Task, and finally the Result of the experience. It is important to think about all the details and recall everyone and everything that was involved in the situation. Let the interviewer know how much of an impact that experience had on your life and in the lives of all others who were involved. It is always a good practice to be prepared with a real-life story that you can describe using the STAR method.

4. **Know and Describe your Strengths** - Many people who interview at various companies, stay shy during the interviews and feel uncomfortable when they are asked to describe their strengths. Remember that if you do not show how good you are at the skills you know, no one will ever be able to know about the same and this might just cost you a lot. So it is okay to think about yourself and highlight your strengths properly and honestly as and when required.

5. **Discuss with your interviewer and keep the conversation going** - Remember that an interview is not a written exam and therefore even if you come up with the best of solutions for the given problems, it is not worth anything until and unless the interviewer understands what you are trying to say. Therefore, it is important to make the interviewer that he or she is also a part of the interview. Also, asking questions might always prove to be helpful during the interview.