

Amazon Internship Interview Experience | On-Campus 2021

- Difficulty Level : [Hard](#)
- Last Updated : 11 Oct, 2021

Amazon arrived for hiring in the last week of Sept 2021 on our campus for the 6 months Software Development Engineer Role. We had a total of 3 rounds (1 Online Coding on Amazon's Assessment Portal + 2 Technical Interviews).

Round 1: Online Assessment Round

The coding round comprised of 4 sections:

- Debugging: We had to choose a language and debug up to 10 questions most probably. Codes were very basic like sorting, etc.
- Coding: There were two medium-hard level questions.
- Work-style Assessment
- Aptitude: 25 aptitude questions (most probably)

Round 2: Technical Interview Round 1

- [Next Greater Frequency of Element](#): same as next greater element but print greater frequency instead. I was asked to write only the function.

Eg - 1 1 2 1 3 2 -> -1 -1 1 -1 1 -1

- [Design a data structure that does insert, delete, max, min](#) deletes [max, delete min operations in less time complexity preferred O\(1\)](#) (with duplicate elements), I answered accordingly as given in GFG using a doubly-linked list and min and max heaps. But he asked for a more optimized delete min/max operation in O(1) but I wasn't able to come up. He explained to me that we could use one more data structure to store addresses of the elements in the heaps. I was asked only the intuition.

Round 3: Technical Interview Round 2

1. [Clone a Binary tree having random pointers](#) The structure of the node was already provided.
2. Tell me about any technology that you have started learning or have worked on recently
Use the STAR method to explain. I was from ECE so I was also allowed to speak about any technology which may be related to ECE too.

Tips:

- Start from brute force and keep on optimizing when asked.
- Speak while coding or thinking.
- Repeat the question how you have understood it.
- Keep track of edge cases.
- Use STAR method for behavioral questions.

I guess they didn't ask me any theory as I was from ECE and also not much time was left. Don't take it for granted, it's just an assumption of mine.

Verdict: Selected

My Personal Notes *narrow_drop_up*

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