

Amazon Interview Experience for SDE-1

- Difficulty Level : [Medium](#)
- Last Updated : 18 May, 2021

I was contacted by a recruiter at the start of April for the Bangalore location

She asked me to give a coding test on Hackerrank. The test had 2 questions. I was able to solve both questions completely. After 1 week I got a call for a telephonic round.

There were total 5 Rounds of the interview

Technical phone screen (1 hour): The interviewer was SDE-2 at amazon.

- Asked 2 questions about work done from my resume
- Asked 1 heap-based question
- Question Given M managers with priority as $M_1 > M_2 > \dots$, each manager has some n number of reporters working under him.
- There are x jobs with different priorities, your job is to assign the task to employees, such that M_{i+1} can not be assigned a task until all the reporters of M_i have been assigned.
- I gave him a heap-based approach, he asked me the time complexity.
- He was satisfied with my approach and asked me to write working code.

After 1 week I received a call for the next set of rounds i.e. onsite rounds.

First Onsite Round (1 hour): The interviewer was SDE2 at amazon.

- Asked 2 questions based on DS Algorithms, one question was based on BST and the other was based on Graph, I gave an approach of using dfs
- She asked me approach and time, space complexity first, I was able to solve both problems without any hint.
- Next, She asked me 2 Behavioral questions
- Question1 Tell me a time when you had a conflict with the product team over some requirement and how did you handle it
- Question 2 Tell me about a time when you had to work out of your comfort zone

Second Onsite Round (1 hour): The interviewer was SDE-3 at Amazon.

- He asked me one question on BST- <https://www.geeksforgeeks.org/print-binary-tree-vertical-order-set-2/>. I took 1 hint and around 30 minutes to write working code for this. He asked me to optimize the code more for space complexity.
- He asked some behavioral questions
- Question1 Tell me about a time you have to face some unfamiliar requirement.
- Question2 Tell me about a time when you faced a crisis at work

Third Onsite Round (1 hour): This was Hiring Manager's round.

- He gave a simple problem based on the array and sliding window concept.
- Next, he asked about the work done in the previous company.
- He gave me 1 question on MYSQL(mentioned in cv).
- We discussed some OOPs concepts like deadlock, semaphores, etc.
- After 2 days I got a call from the recruiter for the next round i.e. Bar raiser round

Bar Raiser Round (1 hour):

- The interviewer was in a very senior position at Amazon.
- He asked 2 questions based on DS also.
- Question 1 \xe2\x80\x93 DP based
- Question 2 \xe2\x80\x93 Something like a balanced parenthesis problem
- I was able to solve question 1 completely, he seemed satisfied with it.
- Due to lack of time, there were some bugs in the code of question 2.
- And also, all the interviewers asked me to explain the space and time complexity of my approaches.

Tips \xe2\x80\x93

- Prepare well for Amazon leadership principle.
- Make sure you remember all the projects from your resume.
- Prepare DS Algorithms well.

Result: Selected

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