Placement Interview Experience

Name: Praveen Kumar

Department: Electronics and Telecommunication Engineering

Batch: 2022

Company Name: Atlassian

Job Role: Software Developer (SDE-1)

Domain of Your Role*(Software Development/Consulting/Core Electronics, etc)***: Software**

Cut-off: 7 CGPA

Interview Process*(How many rounds were there and what were the rounds?)*:
4 Rounds : 1. Online Assessment
           2. Technical Interview Round
           3. System Design Interview Round
           4. Managerial and Values Round (HR)

Questions asked in the each stage of the process:

Round 1 : Online Test
      1.Count distinct pairs of given sum.
      Count distinct pairs with given sum - GeeksforGeeks
      2. Check whether given array represent preorder traversal of BST
      Check if a given array can represent Preorder Traversal of Binary Search Tree -
      GeeksforGeeks
      3.Similar to the below problem but it was asked in respect to 3-D cube
      Given a "2 x n x n" board and tiles of size "2 x 2 x 1", count the number of ways to tile the
      given board using the 2 x 2 x 1 tiles. (Similar to this)
      Tiling Problem - GeeksforGeeks
Round 2 : Technical Interview Round - (One on One Video Interview)
      1. There are n user of a particular social media platform, and you are given login time
         and logout time of users of whole day. Find out the duration of each user using the
         platform after the end of the day.
         Sample : 3 users; Given values in form of (user_number,login_time,logout_time) -
         {(1,1,5) , (2,2,3) , (1,6,7) , (3,1,6) , (2,5,6)}
         Output : User1 - 7 , User2 - 4 , User3 - 6
         You have to write a full working code without any errors.
      2. Just asked few technical questions orally about BFS,DFS and Coin Change problem.

Round 3 : System Design Interview Round - (One on One Video Interview)
They asked me to give me an outline of a COLOR PICKER web application.
You have to include the frontend(with particular technology) and why you use that technology.
Follow up questions whatever you explain. Just be on same points from beginning to End, (Don't contradict your own statements).
Helpful resources.
https://www.youtube.com/watch?v=R8omJm-Wl34&t=2136s
Any system design interview videos of Gaurav Sen.

Round 4 : Managerial and Values Interview Round - (HR Round)
- Why Atlassian
- What are the values of Atlassian and which one you liked the most.
- Describe a team project you have worked on in brief
- Tell me a situation when you and your teammate had a conflict and how did you resolve it.
- Tell me a situation when you showed leadership skills.

and other similar most asked HR questions.

Reason behind selection results(Which skills helped you the most to get the job?):
Must Skills :
Data Structures and Algorithms (Arrays,Strings,Linkedlist, Stacks & Queues, DP are must and having a good knowledge of Graphs and Trees will be very helpful)
Knowledge of Operating systems and DBMS will be advantageous, specially for system design interviews.

Preparation Strategy(How did you prepare for the non-interview rounds? How did your preparation evolve for the interview rounds?):

Resources to prepare from -
Necessary Resources(Must Do):
DSA : Geeksforgeeks and leetcode(must)
FINAL450.xlsx - Google Drive (this can be useful)
Advanced Resources(Can Do):
Knowledge of Project/Web Development technologies.

Anything else that you'd like to share with the students: