Sumit (MCA) - 22nd July,2022 - InfoEdge

Round 1 : Online Assessment (22 july 2022)

Section 1 : 45 mins
https://leetcode.com/problems/maximum-length-of-pair-chain/

Section 2 : 25 mins
Lexicographically largest string possible by inserting given character (all capital letters should be considered lexicographically higher than smaller ones)
Similar to :
https://www.geeksforgeeks.org/lexicographically-smallest-string-possible-by-inserting-given-character/

Section 3-6 : 6 mins each
Each section contained tough MCQs based on DSA, Linux, DBMS and SQL, Networking and CyberSecurity respectively.

Round 2 : Technical Round 1 (27 july 2022)

Round began with my introduction.

Then he asked me to explain my project and asked some questions
Why I used socket.io.
What are sockets?
What is WebRTC?
Difference between Websockets and WebRTC.

Then he started asking CS fundamentals.
What is Multithreading?
How does the context switch happen in thread?
Full form of ACID in DBMS.
What is Isolation (ACID). How is it achieved?
DeadLock in DBMS and how to remove it.

Then he started with DSA
Ques: Reverse a linked list both iterative and recursive.
Ques: https://leetcode.com/problems/two-sum/
Ques: https://leetcode.com/problems/subarray-sum-equals-k/

At last he asked if i had any questions

Round 3 : Technical Round 2 (29 july 2022)

The interviewer told his name and asked me to brief the previous round.

Then he asked about my project.
What is socket?
How to handle multiple requests on a socket?

Then he started with DSA
Ques: The question was something like we are given a string, an array of punctuations and another array of banned words. Task was to count the frequency of occurrence of each word in a string. Punctuations should be removed and banned words should not be considered.
Ques: https://www.geeksforgeeks.org/print-nodes-top-view-binary-tree/.

Then he asked Indexing and some follow up questions on indexing like what if the size of the index file becomes more than size of RAM.
Then he asked 3 SQL queries on joins.
He then asked the difference between String, StringBuilder, StringBuffer.

At last he asked if i had any questions

Round 4 : Technical Round 3 (3 August 2022)

The interviewer was a VP in 99acres.com.
He first introduced himself and asked me to introduce myself.

Then he asked about my Projects in detail.
One of my projects was live so both of us tried it for a while in between the interview. He also asked some questions about it and was impressed.
Then he asked about my other projects and time taken to complete each project.
He asked how I did end-to-end encryption as one of my projects was related to it.

Then he asked about my favourite subject. I told DBMS.
He asked me the difference between SQL and NOSQL and when to use.
How to make a SQL query faster..

Then he asked a DSA problem.
Ques: https://www.geeksforgeeks.org/find-if-there-is-a-subarray-with-0-sum/

At last he asked if i had any questions

Round 5 : HR round (4 August 2022)

- Experience in previous rounds.
- Introduction.
- Strengths and Weakness.
- Residence and whether comfortable to join in Noida.
- Any Questions if i have

Suggestions :

- If you are writing something on your resume you should be aware and confident about it.
- CS fundamentals are must for this company.
- If you are explaining your project, show your curiosity behind doing it.
- Before jumping to code try to explain your approach.
- Always write clean code.