Amazon Interview

Total Rounds 6 in Three days

1. Online Test

2. Initial Screening Round (Technical and HR)

3. Technical – I (Mainly Networking Concepts, he took almost 45 minutes)

4. Technical – II (Mainly Operation System Concepts, Around 30 Minutes)

5. HR

6. HR

Online Test(First Day) : Three Sections in Online Test *(1 Min for 1 question, questions are medium difficulty and time was not enough to solve all the question)*

- Aptitude

    o Time and Work

    o Number System

    o Direction

    o Seating arrangement

- Technical

    o Basics of Operations system (Virtual memory, semaphores, Memory management, Process, thread etc.)

    o Basic of Networking (DHCP, DNS, DHCP DORA process, Subnetting, IP address classes)

- Programming (total 20 Minutes)

    o Two basic programs

Initial Screening Round(On 2nd Day) : Both Technical and HR question were included,

They have sent the Topics to prepare on previous day.

Only the basics of the networking and Operating system were asked *(they allowed us to choose*

between Operation system/Networking Topic for the interview)

Some of the questions are

Networking

- o What is DNS?

- o Explain forward and reverse DNS lookup.

- o Explain DHCP

- o List down the layers of OSI model

- o How many IP address are there in Class A IP?

- o Explain Classless addressing

- **Operating System**

  - o What is thrashing? How to prevent thrashing

  - o Explain virtual memory in detail

  - o What is semaphores and mutex lock

  - o How OS boots (explain by taking any one OS)

- **Others**

  - o Tell me something about yourself

  - o Why you want to join Amazon

  - o Are you placed in any other company

  - o Are you ready to do Hard Work

3rd Round Technical (3, 4, 5 and 6th round conducted on third day) (It was purely technical round, Questions Completely based on Operating System Concepts and they were expecting answers in depth with real world scenarios)

- Tell me something about yourself

- Explain the process life cycle in detail

- For N no. of CPUs and Y no. of Process, what are the minimum, maximum, average no. of wait state, ready state and running state

" N" no. of CPUs " Y" no. of Processes

	Wait state	Ready state	running state
Minimum			
Average			
Maximum			

- When process goes to wait state where it resides ?

- How OS boots explain in depth. (what is MBR partition, size of the MBR partition, How Bios chooses if two Hard Disks present, What happens if operation system is not present)

- What is BIOS POST test?

- Explain the execution of process of size 5MB on PC having memory of 3MB. (explain paging and how page fault occurs and how pages are swapped.

- What is the difference between loading a page from virtual memory and hard Disk

- What is overlay in process. (give an example how it works)

- What is internal and external fragmentations, and which type of fragmentation can be tolerated.

- What is segmentation

- How do you troubleshoot a slow pc, explain the steps and tools you use*(How d you disable background process in windows and linux- this question was asked based on the answer I gave for troubleshooting) .*

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4th Round Technical(completely based on Networking and some programming Question)

- Tell me something about yourself.

- What exactly happens when you enter amazon.in in web-browser (*Interviewer gave a network diagram, which included concept of NAT , asked to explain what exactly happens in each layer of the OSI)* .

- What happens when connect your PC to a network (How it obtains IP address if using DHCP server, DHCP DORA process in detail, In DORA which and all steps are broadcast and unicast. What is DHCP relay?

- How do you troubleshoot system which is having slow internet connection, Which and all steps do you follow. *(What if ping packet packet is blocked, how do check the connection.*

- What is ARP, which layer protocol it is.

- List the protocols of each layer in OSI

- How do you troubleshoot if system if it is not connecting to internet *(Approach for troubleshooting a system)*

- Write a program to print Fibonacci series *(Interviewer stopped in the middle while writing program and just asked to explain the logic)*

- What IP address (Private or Public) you get when you connected to network (Explain different scenario with different possibilities)

- Explain SSL Handshake, and TCP three way handshakes.

- Explain DNS forward and reverse lookup. (In iterative DNS lookup what DNS server returns if the domain is not found,) . Before doing doing DNS query where does the OS checks for IP address *(ans = It checks in DNS cache and "host" file)* .

- Does the OS reads "host" file each time when it has to do DNS query *(ans = "host" file read once and it will be stored in cache)*

- How do you view the DNS cache, ARP cache, list of connections, DNS server address, How to change DNS server address, etc.

- What is broadcast and collision domain

- Difference between TCP and UDP and where it is used and why.

- What is CRC and in which layer it is implemented.

5th round HR

- Tell me something about yourself

- What is the one thing you regret most in the life and why? What did you learn from that?

- What is the most innovative thing you have done?

- What will you do if one of your teammate is not co-operating properly? Have you faced any such situation and how did you deal with it. (It is to check the leadership skill , Amazon sent 11 leadership principle followed by them asked us to go through it)

- Tell me some cases where you have failed to do work on given time and why you failed. (explain some scenarios and explain how did you overcome)

- When did you receive very negative feedback and how did you react to it.

6th round HR

- Tell me something about yourself

- Asked about the project I did, and he went through resume and asked about the freelancing works I have done, asked about hobbies, he checked my YouTube channel and my Blog and android game I have created.

- How do you react with an angry customer?

- Why do you want to join amazon

- Tell me some services provided by AWS. Have you used any of the services?

- What if you are not get selected.

- And he asked any questions you have, (I asked what exactly the job role and whether they provide any training for fresher's, career growth etc.)

- In which field you are weak/which field you are trying to improve?

- What are the latest technologies you are aware of .

- Do you help friends?   If so why do you help ?

Extra

➔ The interviewer said they were looking for answers by taking real world scenario as example (also mentioned they are not expecting definition or just theoretical explanation) .

➔ They wanted us to know how exactly things work.

➔ They were asking questions based on our answer.

➔ They didn't give much importance to resume. Only one interviewer asked for resume.

➔ As we are giving answer they were taking note of answers in their PC.

➔ They were mainly focusing on technical knowledge and skills.