Placement Experience with Aryaka Networks

Interviewee 1:

Round 1 - Written Round:

MCQs based on C++ (tricky ones) (most of them directly from gfg), basic aptitude and networking. Few programming based output question, Depending upon the situation java based MCQS can also come

Round 2 - HR Round:

The basic questions- tell me about yourself, your goals, your achievements and all. Why Aryaka?

Round 3-

Basic networking questions about layers and protocols, (TCP, IP, DNS) questions based on OS, DBMS, C and C++ (coding based)

basic coding logics like how to swap 2 numbers

A coding question was also given on strings. If you clear this then 5 coding questions were given of medium level on strings, arrays , recursion..

OS questions like what is virtual memory, cache etc.

3 questions were given like if there are say 10 boys and 7 girls. So, what's the probability of choosing 4 boys and 5 girls?

a puzzle was also asked and was one of them which is given in geeks

Real life scenario-based questions

Interviewee 2:

Online test: - Total 48 questions (2- code and 46 MCQ) and 1/4 negative marking was there. MCQs were based on Data structures, Computer networks (hard and tricky one's), output based questions of C/C++ and Aptitude.

Technical Round 1:

1. Introduce yourself.
2. As I had two years of work experience in networking, so they asked 2-3 questions about that like
   - What is your role there?
   - How you got that job?
   - Why you have chosen networking?

3. What is your favourite subject? I answered Computer networks and OS then he asked what is your favourite topic in CN. I answered OSI layers then he said other than layers. I said no such you can ask anything in CN.
4. What is DNS explain its working step by step
5. Difference between router and switch and how router find optimised path
6. Routing algorithms (BGP, OSPF), TCP vs UDP
7. How we ensure security on internet and which layer is responsible for that

At the end they asked me to code a question

Q1: - Given a sentence and you have to print the last word first and then from second last to first

word print only one starting character of each word followed by "."

For example:

Input: Sunil Kumar Sharma Banglore   Output: Banglore S. K. S

HR Round

Can't consider it as an interview it was just a discussion about my education details, reason for gap in BSc and MCA, native place, family members, hobbies and why Aryaka?

Technical Round 2

This round was with their VP. One of them was busy with other participant so while waiting for him he first asked me. Do you have any question for me I asked one question and then we were having a long discussion about company it was an interactive discussion due to that he became very much familiar with me?

Then he asked to introduce myself.

Brief us your role and responsibilities at your previous job and how you manage your studies along with that job
1. Public and private IP addresses, subnet mask
2. A numerical on subnetting in which they gave me a scenario of an organisation and i have to divide the whole network in to 4 sub-network and need to find the first ip, last ip and subnet mask for each sub-network
3. NAT and how router maintain NAT table for different hosts
4. MAC address, port number
5. Interprocess communication and it's various methods.
6. Client server architecture
7. List all the data structures you have read
8. What is HashMap?
9. Explain stack and heap memory in execution of a program
10. Which data structures you use in this case, there are 100 sessions and each session are having 1000 packet. One packet contains five fields source IP, destination IP, source port, destination port and a message. How you can search a particular packet of a specific session
11. Explain programs of online test
12. Then they give two programs and asked to write function
    - in string reverse every word on its place
    - given sorted array and one variable find the first pair indexes whose sum equals to given variable

Interviewee 3:

Round 1: 2 hr 30 min

- 46 MCQ and 2 Coding Questions (Easy + Medium)
- MCQ: Mostly Form networking
- Operating System based
- C and C++ output based
- 2-5 MCQ Quant

Round 2 Technical

- Introduce yourself
- Question of Computer network
- TCP/IP, Routing, TCP and UDP
- Operation System: file system
- what is Data structure
- Difference between heap and Linked List
- Resume based question
- Explain your project
- logic of swap two number without using third variable
- share screen and write a code

Q1: - Given a sentence and you have to print the last word first and then from second last to first

word print only one character of each word followed by.

For example:

I/p: Nit Kurukshetra Haryana India   o/p: India H. K. N

Round 3: Technical

- Introduce yourself
- Project Explain
- Cross question on project
- question on resume-based skills
- operation system: file system
- computer network: Explain about
- subnet, explain classes(A-E) in CN
- subnet mask

Explain the approach of the program you did in the first round

Then they give two programs to write function

1) in string reverse every word on its place

2) given sorted array and one variable find the first pair whose sum equals to given variable