

# Placement Experience with ZScaler

## Interviewee 1:

### Round-1 Online Test:

There was a total of 37 questions (28 MCQ's from CN, DBMS, UNIX, OS 5 MCQ's from Analytical Ability and 4 coding questions)

The level of MCQ questions was between easy-medium.

### Coding question:

**Question 1:** You are given n meeting's start and end time. Write a program to find maximum meetings that a single person can attend.

**Question 2:** You are given ciphertext. Rules to convert plain to cipher is that every character in a string is replaced with 2 characters ahead in alphabets. Write a program to convert the ciphertext into a plain text

**Question 3:** I don't remember this question exactly but it was a functional question and we were asked to code this question only in Python language

### Question 4:

### Round-2 Technical Interview-1:

There were 3 people in Panel first person asked questions related to project and python, the second person asked questions from CN and third person asked coding questions

First-person: The interview started from a typical interview question "Tell me about yourself". After I finished my introduction (I mentioned in my introduction that I have done Internship) he asked the question what I did in my internship and how my android application which I developed during the internship is helping people. After that, he asked me in which project I am working during MCA. He randomly asked questions related to the project and python (python because I told him my project is developed using python language). He was interested in the project maybe so he asked me to show the code of my project so I showed him Android code, python code where I was doing training of model and the API's code. After seeing my code he asked questions from code also. After this first person said he is done with me.

Second Person: He started by asking me had I done some project which uses concept of Networking so I told him about my project which was based on Java socket programming after which he asked questions from Socket programming. He started asking question from topic of CN like what is NAT, PAT, he asked me to explain working of OSI reference model. The networking part was very much asked I don't remember every question but it was asked for around 20-25 min.

Third person: She asked me to open Hackerrank codepair where she had already written 4 coding questions. The questions were easy they were just checking implementation skills

**Question 1:** A complex pattern was given and I was asked to write a code to print pattern for any value of n

**Question 2:** Two arrays are given and both arrays have same elements except one element which was present in first array but was not present in second so I was asked to write a code which can find missing element from second array

**Question 3:** Given two numbers multiply both numbers without using multiplication operator, bitwise operator and loops

**Question 4:** some easy implementation-based question

### **Round-3 Technical interview-2 + Managerial round:**

Again, the interview started from "Tell me about yourself", "How was your interview yesterday", "Tell me 5 positive and 5 negative things about yesterday's interview", "Do you find your interviewer helpful", "Where you can see yourself after 5 years". After that he asked me about my academic project and what is my contribution to that project (he asked my contribution because I told him that it's a group project). I also told him about my side projects. At last he asked me some CN questions and one situation-based question on Linux. The situation based question was "I am a system administrator and I wanted to generate an alert message of all the users who log in to the system along with the time stamp when they logged in" I gave a simple solution to keep continuous track on system log but interviewer told that it is not an efficient solution because I have to keep using my CPU resources for keeping track on it for 24/7 so he asked to me give efficient solution. So, I gave him a solution based on API's and he was satisfied with API solution.

## **Interviewee 2:**

### **Round-1 Online Test:**

There was a total of 37 questions.

(28 MCQ's from CN, DBMS, UNIX, OS 5 MCQ's from Analytical Ability and 4 coding questions)

### **Coding question:**

**Question 1:** You are given n meeting's start and end time Write a program to find maximum meetings that a single person can attend. (Based on greedy algorithm)

**Question 2:** You are given a cipher text and integer k which shows that how many times each character is shifted by its place (for example if k=2 it means a equals c, b equals d etc.). Now your task is to convert given cipher text to its actual plain text. (Note:  $1 \leq K \leq 10^{18}$ )

**Question 3:** You are given a height of some towers now you have to reduce size of all the largest tower equals to second largest tower in one step and now you have to keep on doing this step till the time all towers becomes equals. Now just count how many numbers of times you have to repeat this process. For e.g.,

I/P:

5 9 2 6 15 5

O/P:

4

## **Round-2 Technical Interview: -**

Introduce yourself

- 1) why everyone is moving towards machine learning why not any other domain?
- 2) when you are browsing anything on the google then how does OSI or TCP/IP model works there?
- 3) how DNS server works?

### **Questions from my resume**

- 1) What is Jenkins and what is its use?
- 2) can we integrate Jenkins with maven?
- 3) what is docker and its use?
- 4) how to use virtual box?
- 5) have you configured any server in Linux and if yes then how can we make those services permanent?
- 6) what all commands you have used in Linux?
- 7) which Linux command is used to count number of lines in a file?

### **Puzzle**

- You are given a cake and you have to cut it into 8 equal parts in only 3 cuts?
- Suppose your team member who has written code is currently in USA and is sleeping. now your clients are getting some issues which you have to solve quickly then what can you do in this situation?

### **Codepair questions using python language**

- 1) you are given one file random.txt in which some words are written now you have to read this file and create some new files whose name will be decided by first character of word and then put that word into this new file and at the end your files must be sorted
- 2) you have to create dictionary of list

## **Round-3:**

- 1) Why zscaler?
- 2) what profile you prefer to work for our company?
- 3) what is difference between private cloud, public cloud and hybrid cloud?
- 4) who have taken your technical round do you remember their names?
- 5) what do you know about zscaler?

## Interviewee 3:

### Technical Interview

The interviewers asked questions from Python, Networking, Operating System (UNIX). They also asked questions from OOPs. 2 coding questions were also given

Some questions were:

1. Define OSI model
2. The flow of data when a link is clicked.
3. Iterables, decorators, generators of Python.
4. Difference between iterators and iterables.
5. How Multithreading is done in python.
6. What is multithreading.
7. Common networking commands like netstat, traceroute, ping, nslookup.
8. How to check what ports are being used in our laptop.
9. Port number of Telnet, FTP, HTTP.
10. Difference between abstraction and encapsulation
11. Common examples of Abstraction
12. Write code to sort a vector (array list) without using any built-in method.
13. Pattern printing

### Managerial Interview

The interview started with my introduction and what I have been doing since morning. Then following questions were asked:

1. On which topic do you blog? (Based on resume)
2. What do you like most, coding or testing?
3. If coding is your passion, then why you want to come in this field?
4. Why networking?
5. What was your role in the projects?
6. What are the tests that you did in your project?
7. What are your ambitions in life?
8. Where do you see yourself in 3-4 years?
9. Why do you want to join Z Scaler?
10. What if you are not selected in Z Scaler?

## Interviewee 4:

### Technical Round

1. Introduce yourself.
2. Why do you use GitHub?
3. What is JSON, share your screen and write few entries in JSON format.
4. Give a brief about your project (1st one in the project section of the resume).
5. Protocols used in various layers of the OSI model.
6. Networking questions: sliding window, tcp handshake, flags in tcp handshake, tcp vs udp, dns, root in dns, ssh, ssh vs telnet, ssl, ssl stack, dos vs ddos, nat.
7. Unix commands: ps, grep, ssh, nmap.

8. Basic python questions: list, tuple, which one is mutable, list vs array, array vs arraylist(java).
9. Java: singleton class.
10. How will you establish a web server on your system?
11. How will you troubleshoot a server which stopped responding, you only have remote access to it through ssh.
12. Most challenging project.
13. Logic and code for the question asked in 1st round (code on codepair).
14. Where do you see yourself after 5 years?
15. Do you have any questions?

### **Managerial Round**

1. Introduce yourself.
2. Why are you interested in networking?
3. Why not going with other companies in the field of networking.
4. What you know about zscaler.
5. Five weakness.
6. Will you join if we decrease your CTC but you will get to know a lot for sure.
7. Will you join if there is no CTC.
8. Do you have any questions?