Round 2 - *Technical Round* 1
Duration - 1 *hour*
Designation - *DevOps* & *Cloud Infrastructure Engineer*
Experience - 2+*Years*

1. What types of **tasks** were you working on?

2. Do you have **experience** in **creating** a **pipeline**?

3. What does the term **CI** mean and what does the work **CD** mean

4. What all **services** have you worked with **AWS**

5. Difference between **IAM role** and **IAM user**.

6. What does **IAM role** do

7. What is **principal** in **IAM role**?

8. What kind of **tasks** were you performing for your **EC2** instances.

9. What is **security** group

10. Difference between **security group** and **network acl**

11. What is an **access policy** for **s3**

12. What is a **glacier** tier in **s3**?

13. Cost wise it is less then why we don't keep all the files in **Glacier**

14. What if I have 1000 of file and cannot go through each and every file, we need to archive older files in my **s3 bucket**, when we move them to a different tier.

After 6 months I don't need my file in s3 bucket, so after 6 months move to glacier and after one year it should get deleted automatically

15. What is **autoscaling** group

16. Have you worked on **load balancers**. What are the types?

17. What is **gateway** load balancer

18. Difference between **ALB** and **NLB**

19. Let's say you have 2 different **VPCs** and you have to establish communication between resource in those 2. What will you do

20. How you configure **VPC Peering**

21. What is **Public Ip** and what is **Private Ip**

22. What is **VPC**

23. What do you define when you create a **VPC**

24. What is a **CIDR** range?

25. What is a **CIDR** and what is its **purpose**

Anusha Nayak

26. How does your **CICD** process look like. How do you make sure that the same **code** is moved between **different environments**, how is code movement done?

So, first after the **code** is developed and checked in the **Git** repo by a developer. Where that first **deployment** happens.

27. How can you **differentiate** the **code** that is getting deployed in **Dev environment**, versus the code getting Prod environment, where is the code coming from to this pipeline

28. What is the **branching strategy** that is being followed in your **CICD**

29. Do you have any experience in using and configuring **monitoring** tools.

30. Your **application** is **not accessible**. How do you start **troubleshooting**, what is your thought process.