

INTRODUCTION

phase-1

My name is Mayur, and I am currently residing in Pune.

I completed my graduation from Indira College of Engineering and Management with a degree in Computer Engineering.

Since/From September 2023, I have been working at XYZ Company, where I have gained extensive experience in DevOps methodologies, AWS, and Linux system administration.

At XYZ Company, my role particularly involved in working with the Operational part of DevOps.

phase-2

In the DevOps domain, I have hands-on experience with various tools such as version control with Git and GitHub.

where I have managed projects locally with Git functions like branching, merging and rebasing and

Also done forking and managing pull requests.

I have worked with containerization tool like Docker to run applications and made Dockerfiles to create custom images as per companies requirement, which I then pushed it to my docker registry.

My main work comes [Rajat] in Kubernetes where I had to manage clusters and its nodes and I also worked with its objects like replica-sets and deployment to deploy pods and used configmap and secret object for storing sensitive information.

I also managed its external access using services like load balancer, nodeport, and ingress.

Also worked with persistent volumes and manage cluster security using RBAC.

I've also worked with terraform. Where I build infrastructure on cloud, mainly AWS, hence I'm familiar with declarative language as well. I've also worked with terraform modules to reuse my code at any point as well.

[Rajat] I also have experience with CI/CD automation tools such as Jenkins, where I created pipeline and I managed project lifecycle with building tool like maven, testing tool like sonarqube and finally deploying with a web servers like apache tomcat.

This was my summary of my work in DevOps.

phase-3

As for AWS, I've experience working with various services of AWS like IAM where manage user-groups and roles, and attach different policies to them.

[Rajat] I've worked with computing services like EC2 for managing servers, working with Launch templates and custom AMI's to configure instances as per need. I've also worked with Auto-Scaling groups and attached load balancers with target groups to optimize the performance of servers.

I've also worked with networking services like VPC and Route53 where I have created custom VPCs and its components like subnets, route-tables. I also created public and private subnets where I added my main server into private subnet and my proxy server into the public subnet. Also established the connection between two Different region VPCs with VPC peering.

As for Route53 I've managed DNS configuration including domain registration, hosted zones and working with DNS routing polices like weighted, latency-based and geolocation based.

I've worked with database services like RDS and storage services such as EFS and S3 where I managed object storage along with its lifecycle, Implemented resource based policies and cross-region replication of buckets and also hosted the static website.

That's all for my work for AWS.

phase-4

Apart from that I have experience handling desktop OS like ubuntu and windows and server OS CentOS in which I have managed system users and groups. (experience)

I have also managed file systems and worked with disk partitioning and created Logical Volumes as per storage requirement. (managed)

I've also configured network interfaces and created the IP address manually using command like nmtui. (configured)

and also implemented security with firewall, SELinux and sudo privileges.

I've also worked with network services like SSH, FTP, HTTP, NFS.

I have also monitored of systems with tools like top, netstat and log management.

I even have a basic understanding of writing shell scripts for automation and created backups with tools like tar and cronjobs.

This is my summary of operating system....
