1 Git- hub:

1 it is a version control tool

2 Iam creating repositories n creating branches whenever required

3 providing acess to the repos

4 integrating with jenkins

5 also maintain our configuration files n playbooks , shellscripts n Dockerfiles , Jenkinsfile in git hub..

2 Ansible

1 writing differrent playbooks n roles in ansible

2 server hardening and k8s deployments

3 integration with jenkins , applications configurations

4 checking memory n cpu kernel version for bulk no of servers

5 installing applications in no of servers

6 application team asking automations so we will try to make it with ansible taking inputs .

3 Docker

1 microservices ,poc

2 creating dockerfiles ,customise our images , and containerised our images for different components.

3 once poc successful try to build container applications into different environments

4 Kubernetis {k8s}

1 very good hands on kubeadm n kops methods

2 seven different clusters for different clients each cluster has multiple master n worker nodes

3 my responsibility is creating clusters whenever its requires ..different resources like deployments,network policies statefulsets , services,roll binding , cluster roll binding,

4 iam responsible for application high avilability with good performance n security..

5 shell-script

1 beginning I work with linux environment only,so I have

very good knowledge in linux n shellscripts also

2 use to write shell scripts for AMI backups n volume snapshots,server hardening ,storage archievation{cleaning}…

3 application team requests for automation taking inputs write some shell scripts……

6 Jenkins

Using as ci/cd tool we have 17,18 applications for different clients for each client we have multiple applications for all of them once our infrastructure is ready we r only responsible for ci / cd. we write jenkins pipeline {declarative pipeline }

By understanding the architecture so writing pipeline with different stages.

1 gitcheckout

2 maven

3 build artifacts

4 running unittests [using j-unit pluginj]

5 nexus for artifactory

6 sonar for code quality{where vulnerabilites ,bugs,

codesmell,code duplication verify}.

And everything goes well we deploy artifact into tomcat server .finally get notifications from that.this is the basic jobs for me.

7 we have docker n k8s environment also where in the same locatin where our code is running we maintain dockerfile and once our artifact is ready all the test cases r passed we create image from that and followed by contaniner if everything goes well „

8 next stage we integrate ansible with jenkins ,k8s so we pass our image nama as a variable to our ansible playbook and it will connect to k8s and do rolling updates for my appication .

This is how we r managing jenkins…

……..