I am madahava rao, I have 4.4 years’ experience, currently working in Photon Info tech, (ITPL, 2nd flore, Voyager Building). And my pay role company is Technovo systems Pvt. Ltd.

In this organization we are working for Fresh Choice- Washington, Restaurant & Shopping centre Web application & Mobile application. (Android Studio, IOS, “Xcode software, Mac slave for IOS)

In this project my contribution is Devops engineer.

In this project we implemented tools are GIT, JENKINS, AWS, DOCKER, KUBERNETES, CHEF.

CI/CD, (Delivery) pipe line for testing, QA, Staging, Pre-production Environment. Using GIT, JENKINS, AWS, DOCKER.

CI/CD, (Deployment) pipe line for Production servers. Using GIT, JENKINS, AWS, DOCKER, KUBERNETES.

“Deliver” pipe line take code from Github, + build in slave Jenkins + Create Docker image + push to Docker Hub + Run the Docker container in Cluster. And send email for container access URL, username, password to respected team. And send to Jfrog, S3 bucket.

“Deployment” using Github, Jenkins, Docker, Kubernetes run the rolling updates in production servers.

Last 6 month onward we are migrating Docker Swarm application to Kubernetes.

In Kubernetes I perform

# Introduction

1. Configuration of server like dev, qa, staging, production in cloude.
2. Creating and maintaining Jenkins jobs.
3. Setup and maintain CI/CD and promoting build QA, Staging env.
4. Trouble shutting build and deployment issues.
5. Coordinating with dev and qa team for bug fixing.
6. Write and maintaining automation script in production deployment.
7. If there is any build fail during build process find the root cause and providing logs to developer team
8. Check the performance of the Linux servers on a regular basis.
9. Setup the cloude env in aws (ec2, snapshort, volumes, vpc, s3, ELB, rout 53, cloude formation)
10. Configure and maintain web servers like nginx, application servers tomcat.
11. Configure and maintain data base like mysql, sql
12. Expertise in container technologies and writing docker images, creating containers.
13. Generating the code coverage report using sonarqube.

# Daily activities:

1. Proactively respond to ticket depends up on the priority based.
2. Trouble shutting the build and deployment issues.
3. If build fail finds the root cause, and help to developers to fix issue
4. And send log files to developer to fix the issue
5. Backup the Jenkins jobs weekly and daily basic
6. Configure & maintain web & application servers
7. Interact with dev, QA team to promoting builds like QA, staging and preproduction environment
8. Interactive to other team for closing the ticket
9. Check daily report of local server performance and health check
10. Run cron jobs in docker to remove unused images and stopped containers.

# Why you are working in this organization from last 4 years on words.

1. My company encase me for learning new tools & give chance to attend the seminars and working to new tools, docker, kubernetes.
2. My company provided 2 weeks workshop on kubernetes and given chance to work on kubernetes in production.
3. I am looking new environment and to learn new thinks.
4. I learned new software quickly this is my strength.
5. I am working from last 4 years on words this organization at the time of joining my salary is 2.8 L right know my salary is 5.5 L almost it is double.

# Docker

1. Write Docker file.
2. Write docker compose.
3. Create docker image and maintain
4. Create own network and assign particular ip to specific container.
5. Creating docker container and give to access from outside world dev & qa team.
6. Write the cron jobs and remove the unused images and containers

# Jenkins

1. Cerate the jobs, configure & Maintain it.
2. Install the