J BALA ANKI REDDY

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**Professional Summary:**

* A competent professional with over 3.1 years of experience in the areas as- Docker, docker-swarm, Kubernetes, Ansible, Jenkins, GIT.
* Hands on experience with AWS Cloud services in IAM ,EC2,ECR,S3,VPC,AMI,ELB,Auto scaling and more.
* Well versed in designing Kubernetes definition files to deploy various components into Kubernetes cluster.
* Handled production related challenges like load balancing, auto scaling, rolling updates, high availability on Kubernetes based environment.
* Worked on migration docker swarm environment into Kubernetes based environments using KOMPOSE. Also handled containers in production using docker swarm and Kubernetes.
* Converted legacy applications into Docker based applications by designing the Docker file and experience in setup a docker private registry using ECR to upload docker images.
* Hand-On experience in Build and Deployment of CI/CD pipelines, managing projects that include tracking multiple deployments across multiple pipeline stages (Dev, Test/QA staging and production).
* Distributed builds using Jenkins master/slave concepts, plug-in-installation backup using Jenkins.
* Experience in setting up ansible infrastructure creating and uploading playbooks, node convergence in ansible.
* Having experience in Linux Operating System. Extensively worked on Ubuntu.
* Have knowledge on setting up infrastructure as a code using Terraform, basic knowledge on python as well.

# Educational Qualification

Completed B.Sc in 2019 from Vasavi degree college , ANU.

**Tools and Technologies:**

**CI Tools: Jenkins**

**Application Server: Tomcat**

**Operating Systems : ubuntu**

**Build Tools : Maven**

**Cloud Technologies : AWS**

**SCM Tools : GIT**

**Containerization Tool : Docker, Docker Swarm/ Kubernetes Configuration & Provisiong Tools: Ansible,Terraform**

**Work Experience**

Currently working as DevOps engineer in Fastscript Technologies Private Limited, Hyderabad from November 2020

**Professional Experience**

**Role: System Engineer**

**Location: Hyderabad March 2021- Present**

**Role & Responsibilities:**

* Have worked on building multi container architecture using "docker-compose".
* Have created customized images for my organization according to the requirement for different environments.
* Have created stack files using yaml scripts for container orchestration in "docker swarm".
* Used to handle the scaling of the container based on the traffic that was hitting the containers present in our servers.
* Created customized images using yaml files which include customized MySQL, , Jenkins, Tomcat, Ubuntu, Nginx images for creation of containers.
* At times based on requirement have also worked on registry container for storing the private images.
* Involved in installing Jenkins and created Master and Slave configuration to implement multiple parallel builds.
* Coordination with the cross functional teams including QA, Development, Project and Program managers.
* Automated the deployment of artefacts to various environments DEV, QA, UAT using Ansible Playbooks.
* Configured EC2 instances, Load balancer, Auto Scaling, Security Groups, IAM for authentication, Cloud watch for monitoring.
* Automating the infrastructure/ environment provisioning using Ansible Playbooks for another ancillary application that supports the primary application

# #Project 1

## Project Name : Online Schooling

**Client : Scholastic Corporation (U.S)**

**Role : DevOps Engineer**

**Environment : Linux, Git, Jenkins, Maven, Ansible, Tomcat, Shell Scripting**

**Description:**

Online Schooling is mainly designed for the students who want to learn educational videos, documents, materials and online classes. The Online Schooling is divided into three zones. In that LP (literacy Pro) is the first zone for the Assignments and other Activities. School Learning is the second zone for the online classes. The Third zone like LPB (literacy prone library) has Materials, documents and videos for learning the online courses.

# Responsibilities:

* Identify new tools/technologies that will make the release and SCM process more efficient, repeatable, reliable, and cost effective. Managing all aspects of the software configuration management process including code compilation, packaging / release methodology, and application configurations.
* Created Jobs in Jenkins and set up global permission and scheduling jobs.
* Responsible for writing and management of Ansible Playbooks.
* Have experience in deploying applications using Ansible Playbooks.
* Involved in DevOps automation processes for build and deploy systems.
* Provided installation, configuration & maintenance of pre-prod and production Cloud environments including services such as Tomcat, Apache.
* Build server deployment on Cloud (EC2) servers with help of DevOps tools like Ansible.
* Experience in building a Continuous Integration environment (Jenkins).
* Integrated delivery (CI and CD process) Using Jenkins.