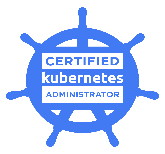
**Mukesh Kumar Nayak**

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**Objective**

DevOps, Cloud & Linux Administration with around 8+ years of demonstrated experience in Information Technology on automation tools like Ansible, kick start & numerous internal lab-based, software on Red-hat, CentOS Linux and production as well. My experience on Devops, Linux Admin, openstack cloud deployment and Kubernetes has offered me a platform in which I have gained a wide and extensive knowledge base utilizing some of the more advanced technologies.

**Professional Certification**

* Red Hat Certified Administrator / Engineer - RHCSA EX200 / RHCE EX300
* Red Hat Certificate of Expertise in Ansible Automation - DO407
* Red Hat Certified **Openstack** administrator- EX210
* Certified Kubernetes Administrator (**CKA**)

**Technical Summary**

Operating System : RHEL release 5.x, 6.x, 7.x

Scripting Language : Shell Scripting

Application Server : Apache Tomcat, Apache Virtual hosting HTTPS and WSGI integration

Backup & Restoration : cp, scp, tar, cpio and WINSCP

Firewall and Security : Net filter management using firewall, TCP wrappers.

File sharing services : FTP, NFS and CIFS.

Storage : RAID, LVM, iSCSI, FC.

Directory Server : Open LDAP client configuration

Change Management : BMC remedy, Jira

DevOps : Ansible, Git, Jenkins, Docker, Kubernetes, Maven.

Cloud Services : Openstack, AWS/Azure

Monitoring Tool : Prometheus, Grafana,ELK

**Technical Skills**

**Kubernetes Exposure:**

* Knowledge on Installation of OpenShift platform and implemented on POC.
* Creating user and group and assigning credentials to access the project.
* Creating project and defining resource quota and resource limit in kubernetes.
* Node addition in Kubernetes Cluster.
* Creating PV and PVC for app in Namespace.
* Monitoring and health check of node and ports using grafana from Prometheous datasource, kibana for resource utilizations --- if exceed raise ticket with unix team.

**Cloud Exposure**

* Experience on POC/Production on RHOSP deployment(tripleO).
* Worked on creating instance, network, router and attached volume with the newly created instance using CLI and GUI.
* Creating snapshot of volume.
* Experience on all openstack service(nova,swift,cinder,heat,keystone,glance etc.)
* Configuring CPU pinning with NUMA.
* Working knowledge of AWS Services like EC2 Compute, Route53, vpc, S3,EBS,EFS Storage services.

**DevOps Exposure**

* Worked on CI/CD pipelines for using GIT, Maven,Jenkins,Sonarqube,nexus,docker,Ansible.
* Working knowledge on Source Code Management – Git with branching, merging and rebasing.
* Working knowledge on creating jobs in Jenkins with Multi stage pipeline, continuous integration and continuous deployment.
* Deploying Micro services as container application in Kubernetes Cluster.
* Integration of Jenkins with Github,Ansible,Docker,Kubernetes.
* Configured and Deployed Ansible Control node and managed hosts on real time environments.
* Developed puppet manifests to reflect best practices.
* Implemented Ansible server for 50+ nodes for configuration management.
* Working knowledge of Shell scripting languages including BASH for Linux.
* Experience in managing puppet manifests.
* Knowledge on Puppet and ansible deployments in automating Linux configurations.
* Creating docker container for application stack.
* Creating docker container for creating testing environment.
* Docker compose to run multiple container.

**Professional Experience**

**Netcracker Technology Solutions (India) Pvt Ltd:** 17th Feb 2022

**Designation:** Senior Devops Engineer

* Writing new ansible playbook/roles for configuring/installing third party application installation.
* Writing script for process management(start/stop) using Ansible.
* Debug ansible code as per ticket and priority.
* Upgrading application to specific version using internal tool as per requirement.
* Configuring/updating version changes in xml file for new release.
* Taking backup of logs using a internal tool CAROL.
* Trigger clean installation using Jenkins job for a fresh environment to debug a new issue.

**Ericsson India Global Services Pvt Ltd :** 21st Jan 2019 to 14th Feb 2022

**Designation:** Sr. Solution Integrator

* Deploying Kubernetes cluster using disconnected deployment according to customer requirement.
* Creating project, users ,groups according to client requirement and aligning different roles to cluster and namespace specific users.
* Health check & monitoring the nodes using grafana & kibana.
* Troubleshooting pods & containers issues.
* Taking backup of existing kubernetes resources and recreating resources from them.
* Deploying containerized application using docker images from internal & private registry.
* Creating PV & PVC for persistent storage using NFS.
* Working as a openstack cloud deployment engineer for Telco Cloud Infrastructure.
* Worked on both director based and fuel based openstack
* Performing precheck and post check for any upgrade activity on cloud environment.
* Performing software patching, release upgrade in the area of openstack cloud, SDN and different non-openstack infrastructure solution.
* Accessing Fuel GUI and enabling fuel access and after use, disabling.
* Working on Jenkins , Git/Geerit operation on daily basis related to deployment/upgrade activity.
* Performed POCs in the area of Kubernetes Solution on Redhat/Ubuntu server.

**Wipro Technologies ( Prodevans Payroll):** 26th April 2018 to 2nd Jan 2019

* Working on Different Devops toolset like Jenkins, GitHub, RTC, G3 for a banking Client.
* Creating CI CD pipeline with help of Jenkins.
* Creating and maintaining Jenkins pipeline using Jenkin files as per requirement.
* Keeping the Jenkins File in GitHub at required place.
* Modifying environment file in G3 as per the requirement, after getting the update from the env team where to deploy the artifact.
* Setting the Project area and application name as per the requirement.
* Checking the PWI status in RTC.
* Generating the string parameter to run pipeline using POM file provided by the WAS team.
* Deploy the artifact using G3.
* Updating the details project in Confluence.
* Managed and cross trained technical support team, teaching personnel linux standards.

**PRODEVANS Technologies LLP. Bangalore:** Dec 2014 till April 2018

**Designation**: Sr. Technical Consultant

* Installing **RHEL/CentOS** server for different requirement.
* Installing Redhat Openstack on physical server with **tripleo** as per LLD.
* Security hardening for controller and compute node.
* Launching instances(VM) by CLI and GUI.
* Troubleshooting **RHOSP** storage and networking issues.
* Supporting for Openstack services for production environment.
* Creating VM on Physical server using **KVM** and Configuring Network on VM.
* Worked on relocating a service to other node in a cluster.
* Written and modified Playbook/inventory for different automation task as per requirement.
* Keeping all the playbook in GitHub for further process.
* Deploying the playbook through ansible tower.
* Setup password less authentication for ansible managed nodes.
* Giving sudo access to a required user.
* Scheduling jobs using at and crontab.

**Academic Qualification**

* B.Tech BPUT, Odisha

**Declaration**

I am confident of my ability to work in a team. I hereby declare that the information furnished above is true to the best of my knowledge

**(Mukesh Kumar Nayak)**