Manoj Ramasamy
Devops Consultant
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Over 8+ years of experience in IT industry with in Configuration Management, Change/Release/Build Management, System Administration, Support and Maintenance in environments like Red Hat Enterprise Linux and creating CI/CD Pipeline with Devops methodology and cluster managing orchestration with Kubernetes.

EXPERIENCE

MAY 2020 – PRESENT
ADVISORY SYSTEM ENGINEER, IBM INDIA PRIVATE LIMITED, BANGALORE.

- Experienced managing servers in multiple operating systems and platforms, working in physical and virtual servers, experience in public, private and hybrid clouds, hardware, infrastructure, and technical leading teams.
- 2+ years of experience in PaaS with RedHat Openshift Containers Platform. Architecting, installing, and configuring the platform using tools and technologies like Ansible, Bash scripting, Git.
- 2+ years of experience with Microservices using Docker Linux Containers, Kubernetes, Openshift, deploying applications in Public and private clouds like IBM and Bare-Metal Servers.
- 1+ year of experience in Agile developing for Openshift being part of a Scrum Development team.
- Creation and Follow-up of RedHat Cases to solve problems/bugs with the Openshift Platform.
- Expertise in using Ansible to setup Continuous Delivery Pipeline.
- Expertise in Ansible Playbook, YAML for Maintaining Roles Inventory Files and Groups Variables and Extensively worked on Jenkins.
- Worked in container-based technologies like Docker, Kubernetes and OpenShift.
- Team player on OpenShift for creating new Projects, Services for load balancing and adding them to Routes to be accessible from outside, troubleshooting pods through ssh and logs, modification of Build configs, templates, Image streams, etc.
- Expertise in App Containerization technology Docker, creating Docker images, Containers, Docker Registry to store images, Kubernetes to manage containers.
- Experience in deployment automation of all the Microservices to pull the image from the private Docker Registry and deployed into Openshift to create a complete docker cluster by using Ansible.
- Experience in managing Kubernetes charts using Helm. Created reproducible builds of the k8s applications, managed manifest files & releases of Helm packages.

- Created Pods in Kubernetes and monitored the health of pods using Helm charts/Metrices.
- Worked with RedHat OpenShift Container Platform for Docker and Kubernetes, used Kubernetes to manage containerized applications using its nodes, ConfigMaps, node-selector, Services, and deployed application containers as Pods.
- Managed Openshift master, nodes with upgrades, decommission them from active participation by evacuating the nodes and upgrading them.
- Worked with RedHat OpenShift Container Platform for Docker and Kubernetes. Used Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple namespace versions.

OCT 2017 – MAY 2020
ASSOCIATE SYSTEM ENGINEER, TESCO BENGALURU PVT LTD, BANGALORE
- Expertise in supporting multiple projects during builds and release process.
- Hands on experience with version control tool like GIT
- Experience on GIT- Creating branches, repositories, tagging, setting externals, and providing access permissions to the developers over branches.
- Created Jenkins CI/CD pipelines using Groovy for Continuous deployment and works with SonarQube plugins for code quality check.
- Installing & configuring Jenkins in Master /Slave architecture.
- Creating Free Style and pipeline project jobs based on project requirements.
- Experience in end-to-end building and Deploying and configuring process and implementation into different environments (DEV, TEST, PPE & PROD).
- Troubleshoot the application related issues in production & Non- production environments.
- Docker installation, writing Dockerfile and creating container using these Images.
- Creating Docker Volumes and containers as per requirement.
- Creating multiple containers using Docker-Compose YAML files.
- Creating playbooks to deploy, manage & configuring from full server to custom source code for applications.
- Writing playbook using YAML to install application through Ansible.
- Setup the application using ansible modules.
- Managed Docker orchestration and Docker containerization using Kubernetes.
- Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
- To upgrade the cluster using rolling updates/rollback strategy in Kubernetes.
- Scheduling the Pods using Node selector, affinity, and multiple schedulers as per requirements.
- Building/Maintaining Docker container clusters managed by Kubernetes. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
- Worked with RedHat OpenShift Container Platform for Docker and Kubernetes, used Kubernetes to manage containerized applications using its nodes, ConfigMaps, node-selector, Services, and deployed application containers as Pods.

SEP 2016 – OCT 2017

SENIOR DATABASE ADMINISTRATOR, ILABS ENTERPRISE SERVICE PRIVATE
LIMITED, BANGALORE

- Administered and provided production DBA support to the several databases of Financial Data Warehouse.
- Recovered/restored multiple databases from physical disk failure. These failures include loss of datafiles tablespace/control files/on-line redo logs.
- Creating playbooks to deploy, manage & configuring from full server to custom source code for applications.
- Supporting for User Management, Tablespace Management, Roles, and privileges
- Implemented high availability solutions for mission critical corporate databases using Oracle 11g and 9i Data Guard to set up both physical standby databases.
- Database creation, cloning and applying Patches.
- Upgrading the Database from lower version to higher version.
- Tune SQL statement against database and its objects.
- Automating Offline Backup, Online Backup through Shell script.
- Analyzing the SQL queries and objects for database performance.
- Creating and deleting the DataStage projects and users
- Mapping the DataStage user to Unix ID user to execute the jobs using DataStage clients.
- Setting the users privileges to access the projects, like developer, operator, or Super User.

AUG 2014 – SEP 2016

SYSTEM ENGINEER, TEAMWARE SOLUTION PRIVATE LIMITED, BANGALORE

- Experience creating and maintaining scripts written in various programming languages, such as SQL,
- Installing Database software and Client software on different Operating System
- Direct Database Administration in the installation, upgrade and maintenance of databases, data storage structures.
- Importing and exporting Data with IMP/EXP (data pump) utility according to the users request and maintenance.
- Implementing and maintaining database security (create and maintain users, roles and assign privileges).
- Creating and deleting the DataStage projects.
- Creating the DataStage users.
- Mapping the DataStage user to Unix ID user to execute the jobs using DataStage clients.
- Setting the users privileges to access the projects, like developer, operator, or Super User.
- Database Links, Creating and Managing Tablespaces and Datafiles, Creating and Rebuilding Indexes, Managing Database Security

APR 2013 – JUL 2014

ASSOCIATE SYSTEM ENGINEER, HCLINFOSYSTEMS LIMITED, BANGALORE

- Managing Oracle user roles & privileges.
- Managing & creating Database objects
- Tuning of application using explain plan utility and creation of indexes.
- Planning, scheduling, and taking logical & physical Database Backups.
- Automating Offline Backup, Online Backup through Shell script
- Monitoring Tablespaces, Rollback segments usage & size.
- To monitor and Maintaining tablespace, Datafile, schema, DataStage users.

EDUCATION

SEP 2008 – JUN 2012

BACHELOR OF TECHNOLOGY, ANNA UNIVERSITY, CHENNAI

CGPA 7.53/10

TECHNICAL SKILLS

- Operating Systems   : Windows, Linux
- Cloud Platform   : IBM Cloud
- Version Control Tools   : Git, SVN
- Continuous Integration Tool   : Jenkins
- Containerization Tool   : Docker
- Container Orchestration Tool   : Kubernetes
- Configuration Management Tool   : Ansible
- Databases   : Oracle, RDS
- Platform service   : Openshift

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