**Pardha Saradhi**

# DevOps Engineer

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* DevOps (Version control, Build, Release and Configuration Management) consultant with 5+ years of professional IT experience.
* Strong hands on experience in Version control, CI, CD, Configuration Management.
* Installation, administration and maintenance of tools like GitHub Enterprise, Jenkins, Subversion
* Hands on BASH scripting and Linux administration experience.

**Key Skills**

Linux Server Administration: CentOS, RHEL

Monitoring: Nagios

Scripting: bash

Configuration Management: Ansible

Version Control: ClearCase, Git, Gitlab, Github

Build: Jenkins

Cloud: AWS

WORK EXPERIENCE

# Devops Engineer

DevOps - HCLTechnologies - Jan 2012 to Present

Tools: ClearCase, Git, Jenkins, Maven, Ansible, Docker

Responsibilities:

* As Configuration Manager, I was responsible for Configuration and Release management in support of the "best practices" documented in the CM plan, which defines the policy, and procedures to control and manage project related artifacts and baselines. Acceptance of software from development groups and offshore vendor(s); archive delivered artifacts; build and maintain functional baselines; exercise version control, and control changes through the baselines. The position requires the actual building, tagging, and releasing of release packages.
* Build and Deploy software packages in to System Integration environment and handover to Integration Testing team
* Designed and implemented GIT branching model to support parallel streams
* Code Management - Ensured that at each stage of the Programme the require code version for each environment is known, documented and in place, to ensure that the development and testing services can be delivered at speed.
* GIT Merges -Hands-on work in merging the code from multiple stream of work and integrating the merged code in lower environment streams
* Administration and Configuration of code repositories on GitHub Enterprise. Providing support and training to development and environments team on GitHub usage.
* Configured Jenkins jobs to support development and environments team.
* Design and implementation of CI pipeline/workflow in Jenkins.
* Installed and configured gitlab.
* Migrated from github to gitlab
* Installed and Configured Jenkins and Jenkins slave machines
* As a Linux System Administrator was responsible for server configuration of several major news and e- commerce websites
* Upgraded Jenkins from 1.52 to 2.1
* Installation of patches using Ansible on servers
* Creation of vobs, Views, Streams for ClearCase users
* Maintenance of Vob storage and monitoring Vob servers.

**GIT**

--Private Git server on Windows OS (Git server located on private n/w)

-- Installed and configured Gitweb for Git

-- Updated existing shell scripts to reflect GIT changes

-- Updated all the Jenkins Continuous Integration jobs, dependent jobs, snapshot jobs, release jobs, DB deployment jobs to reflect GIT changes

-- Install the GIT and configure the global credential.

-- created the GIT Hub repository and Push the changes to the GIT Hub.

-- Pull the changes for from the GIT Hub.

**Jenkins:**

Working on Build Management activities for Different applications using Jenkins

Working on Release Management Activities.

-- Configured Git with Jenkins and schedule jobs using POLL SCM and option.

-- configuring Jenkins jobs in such a way that fetches source code from Git repository.

-- Configured Jenkins with maven build tool in generating war/ear files and archived them.

-- Responsible for installing Jenkins master and slave nodes.

-- Create and setup automated build environment for java projects using maven.

-- Deployed builds to different environments like DEV, QA, UAT environments by integrating Jenkins and Ansible.

-- Configured Jenkins nodes to build jobs in the view of distributing the load of jenkins server and achieved parallel builds

-- Familiar with matrix based security in jenkins to restrict the users of jenkins at different levels.

**ANSIBLE**

-- We are using Ansible as primary automation tool in configuring and deploying artifacts to several environments.

-- Deploying the artifacts into servers in AWS cloud with ansible and jenkins.

-- Bundled automation content with Ansible roles to make the content reusable and made possible advanced execution in automation.

-- Expertise in using Configuration Management tool Ansible

-- Experience in provisioning, orchestration, configuring nodes and deployment using ansible.

-- Profound experience in writing Ansible playbooks to configure systems and created Roles as a prophecy for reusability of playbooks.

**DOCKER**

-- Knowledge on using Docker and recently working on Docker for successful setup of Dev & Test environment for Developers and Testers by using Docker Build & Docker Compose.

-- Knowledge on Kubernetes to manage clusters of containers

-- Involved in Writing Docker files to build customized images for creating containers.

-- Configuring the Docker containers and creating docker files for different environments.

**AWS**

-- AWS EC2, EBS, VPC and other AWS services.

-- Familiar in Amazon S3 - To Create Buckets, Upload Data, Set Permissions

-- Familiar in How to Setup Amazon Web Services EC2 Instance with Apache, PHP, MySQL

-- -- Creating a VPC, Subnets, and Base Security Groups Hands on experience of AWS services in the process of providing cloud based solutions to client.

-- Ensuring the servers to sustain the load by configuring Elastic load balancer &Auto scaling.

-- Enabling highly available & robust virtual private cloud to ensure the network isolation from public cloud and securing them with Security groups and NACL.

-- As most of the infrastructure is hosted in AWS cloud I am responsible for creating and managing EC2 Instances.

-- Configuring EC2 instances with Playbooks to enable environment for deployment.

-- Maintaining AMIs of the Configured Ec2 instances.

**Linux:**

Ensure systems running at peak performance, upgrade operating system, patches, and version upgrades as required.

-- Troubleshooting deployment, infrastructure and start up issues on various application servers product line

-- Managed and Installing Redhat OS 5 and 6&7 on HP DL Servers and HP c7000 Blades Hardware.

-- Managed Virtualization Environment using VM Ware ESX 5.x, Virtual Center, VI Client

-- Installation, Configuration, Administration and Troubleshooting of ESX 5.x, Virtual Center, VI Client

-- Creating and Managing Virtual Machines and Templates

-- Creating Clusters for High Availability (HA) and Distributive Resource Scheduling (DRS)

-- Migrating Servers Windows to Linux

-- Designing, Configuring and maintaining Apache load balancer on Readhat Linux Server

-- Installing and Configuring SAMBA on Redhat Linux Servers.

-- Installing and Configuring Mysql

-- Installing and Configuring Nagios to monitor all Linux Servers.

-- Providing Level 3 Remote LINUX System Administration.

-- Remote administration through Putty, SSH.

-- configuring the private repository for accessing the packages with YUM.

-- Experience on file system and disk management and managing disk quotas.

• Physically managing the servers as well as involved in the Data Centre activities along with remote system administration. As a SPOC provided active and timely support to other sites (Sun Solaris Server and Linux)

• Server Management and provide L2 Support for Linux&VMware ESX servers and provide L1 support for NAS storage and VERITAS Net backup.

• Experience with operational monitoring of clusters and applications

• Knowledge on Shell Scripting for automating tasks for regular usage and system operations.