DEVOPS ENGINEER

Sreekar R

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**Professional summary**

* 3.7+ years of experience in DevOps, Unix Administration, Build & Release management.
* Strong Analytical skills of SDLC and Software Test Life Cycle.
* Experienced in creating and managing Public and Private Repositories using GIT and GITLAB.
* Experienced in AWS components such as EC2, VPC, S3, EBS, Security Groups, Auto scaling, Load Balancer.
* Experienced in working on creating Docker images & handling multiple images for middleware installations.
* Configured and Maintained high availability of Docker images by using Swarm and Kubernetes.
* Automated different types of Backups, Jobs and Spinning AWS instances by using Configuration tools Ansible and chef.
* Expertise in configuration of Jenkins on Linux OS with master and slave setup to implement multiple parallel builds.
* Expertise in Simplifying Job creation and execution by using CI/CD tool plugins.
* Extensive knowledge in Automate the Admin tasks using SHELL and PYTHON languages.
* Worked in implementation team to build the servers on various hardware such as physical and VMware using Vcloud.
* Experienced in Installing Firmware Upgrades, kernel patches, performance tuning on Unix/Linux systems.
* Experienced in Creating and Deploying OVA based Appliances on different types of cloud Environments.
* Ansible-configuration management, Jenkins for CI/CD, docker for containerization and kubernetes as an orchestration tool, maven.
* experience working with monitoring tools like nagios , hpov, cloudwatch.
* Good knowledge on terraform , cloud formation and groovy.

**Qualification**

B.Tech from Vignan institute of technology and science in 2017, Hyderabad.

**Work Experience**

* Working as a **DevOps Engineer** in **IBM India Pvt. Ltd,** Hyderabad from july 2018 to till date.
* Worked as **Linux Administrator** at **Applied Materials**, Hyderabad June 2017 to june 2018.

**Project #3:**

Client Name : Net-Spi

Role : Devops Engineer

Duration : Nov 2019 to till date

* Developed and implementing Software Release Management strategies for various applications according to the agile process.
* Analyzing the E2E requirements and provide the low level design.
* Working with Maven to create artifacts from source code & deploy them in Nexus repository to manage builds dependencies.
* Responsible for Continuous Integration & Continuous Delivery process using Jenkins along with Shell scripts.
* Created OVA based appliance from ISO image by using packer tool.
* Did R & D of OVA deployment on multiple environments such as VMWARE Fusion, Workstation, Vcenter, AWS, and Azure and successfully implemented.
* Working with Git tags and releases to build and deploy new Docker containers as per the requirement.
* Creating CI pipelines in Jenkins server using groovy scripts.
* Implementing quality release of Applications and solutions for Delivery Manager.
* Implementing branching strategies by following git default workflow.
* Creating sonar reports for different non-prod environments to ensure quality of the software released to higher environments.
* Working with Docker tool for convenient environment to setup the test environments.
* Troubleshooting of build errors in Jenkins for safe build and deployments.
* Responsible for nightly, release build & deploy those to different environments such as QA/Pre-Production/Production stages.

**Project #2:**

Client Name : Charter Communications

Role : Devops Engineer

Duration : June 2018 to Nov 2019

* Responsible for L3 level UNIX administration tasks like escalations and architecture designs.
* Experienced in Snapshots and resizing the root volume for the EC2 instances.
* Configured and Managed different types of AWS components like EC2, VPC, Auto Scaling, ELB.
* Deployed Instances and Services on AWS Cloud using Configuration Management tool Ansible.
* Responsible in Managing AWS Subscriptions and IAM “Identity and Access Management”.
* Wrote Ansible playbooks/roles to manage the configuration on different environments.
* Deployed Docker Engines in Virtualized Platforms for containerization of multiple applications.
* Configured monitoring tools like HPOV & AWS Cloud watch to monitor metrics like Network, RAM & CPU utilization.
* Deployed and configured GIT repositories with branching, tagging, merge requests, and notifications.
* Automated the backup/project builds jobs using shell script in Jenkins.
* Used to Monitor Jenkins builds, diagnose the build failures and work with the concern engineers to debug the issue.
* Assisted different teams in all phases of builds.

**Project #1:**

Client Name : Applied Materials

Role : Linux Admin

Duration : Jun 2017 to June 2018

* Responsible for Installation, Configuration and Maintenance of Red hat Linux servers on VMware and Physical hardware.
* Involved in Installation, Configuration of VMware Converter Enterprise Server for Remote Conversion of Physical Servers.
* Worked with storage team and used to add SAN LUNs on to ESX Servers.
* Responsible for File System administration by using LVM and VXVM.
* Automated the regular tasks like Backups, archiving older files by using shell script.
* Scheduled jobs like backups and regular admin tasks by using cron and at tools.
* Involved in Problem diagnosis and troubleshooting of Linux Servers like boot time and performance issues.
* Configured and maintained File sharing services such as NFS, SAMBA, DHCP and FTP.
* Installed and configured Veritas and Red hat Cluster services to maintain high availability of critical Applications.
* Responsible in maintaining server’s up to date w.r.t new patch releases.
* Participated in SAN LUN Migration and DR test.

(Sreekar R)