

DevOps Engineer

CAREER OBJECTIVE

Profoundly energetic Technology in DevOps, Cloud, Build and Release Administration, building troubleshooting, automating, Linux configuration Management, continues integration Continues Deployment, Release Management and cloud implementations and deploying code over multiple environments.

PROFILE SUMMARY

- Having 4+ Years of professional Experience as a **DevOps Engineer** with technical expertise in Build and Release Management, Continuous integration and Deployment, Software configuration management.
- Hands on experience with version control tool like **GIT, GitHub**.
- Experience on, **GIT**- Created branches, tagging, Merging providing access permissions to the developers over branches.
- Good Experience in **GitHub** and Configure git with Jenkins and schedule jobs using **POLL SCM** option.
- Expertise in using Build tools like **Maven** for Building and Deployable artifacts such as War&Ear from source code.
- Creating new Build jobs, Plugins installation and Management, setting up **Master/Slaves** using **Jenkins**
- Good Experience in **Continuous integration** using the **Pipeline View**, Integrated Sonar to run as part of Jenkins Build job, Monitoring **Nightly Builds** and **Daily Builds** and Deploy with different Environment like **QA, UAT, DEV, PROD**.
- Experiences in using Nexus Repository manager for Maven Builds.
- Good Experience in **Dockerizing** the Applications, In **Dockerfile**, Creating **Docker images** and configuring the **Docker Containers**.
- Experience on creating and configuring **Docker Volumes**.
- Experience in creating **Docker-Swarm Cluster, Volumes** and **Networks**.
- Good Knowledge on writing Docker Compose files and Deploying Docker services in Docker-Swarm Cluster.
- Good experience in deploying the artifacts in **Tomcat**.
- Experience in writing **Ansible** playbooks and **Ansible roles** for Configure management, Shareability and Reusability in Ansible.
- Hands on Experience in AWS Cloud such as creating **EC2, S3, ELB, EBS, EFS, IAM, Auto Scaling and Security Groups**.
- Creating/Managing snapshots and Volume upgrade, Downgrade AWS Resources (CPU, Memory EBS).
- Ability to build deployment, build scripts and automated solutions using shell scripting.
- Good knowledge on methodologies like **Agile** and **waterfall model** for project planning and execution

- Writing manifest files like replication controller, replica set, daemon set and deployment. • Scale up the pod's and scale down the pod's using HPA
- Creating name spaces in Kubernetes Cluster.
- Creating Kubernetes cluster and adding worker Node to master Node
- Building and understanding of all aspects of the cloud platform including network ingress, monitoring, alerting, RBAC, and Multi-Region deployment
- Installing Grafana on Kubernetes to monitor the Kubernetes cluster nodes.

EXPERIENCESUMMARY

Designation	Organization	Duration	Work Field
DevOps Engineer	Global Infotech	4.3 Years	IT- Software

TECHNICALSKILLS

Category	Skills
Version Control System tools	GIT, GitHub
Operating Systems	Linux (Redhat, Ubuntu)
Configuration Management	Ansible
SSH Client Tool	Putty, MobaXterm
Scripting	Shell Scripting
Build Tools	Maven
Cloud Services	AWS (EC2, S3, EBS, EFS, ELB, IAM, ECR)
Application Server	Apache Tomcat
Continuous Integration Tools	Jenkins
Containerization tool	Docker
Bug Tracking Tool	JIRA
Artifactory Storage	Sonatype Nexus
Code Quality Analysis Tool	SonarQube, Coverity
Container Orchestration Tools	Kubernetes, Docker-Swarm

PROFESSIONAL EXPERIENCE:

Project :1

Project Name : Radiology Content Management System
Organization : Global Infotech
Designation : Devops Engineer
Project Duration : Mar 2018 to June 2019

Description:

RCMS is a Cloud based, distributed case-based system which stores, organizes and distribute knowledge content. It serves as a central repository for content with both data and metadata structured in a manner that facilitates discovery, reuse and information sharing. The distributed nature of the application allows for complex workflow involving individuals in disparate locations and organizations. The Cloud based application Content can be packaged in ways that created unique and specific experiences to the residents/users.

Responsibilities:

- Support code and **configuration management**.
- Need to create **AWS instances and buckets on EC2 and S3 services**
- Transfer the packages and container form one environment to another by using **Docker**
- Supporting version controlling **SVN to Git** Migration using **sub git**
- Provide support for application and environment **configuration issues**.
- Maintain code branches and coordinate code mergers with **revision control** utility
- Able to configure the complete infrastructure using **Ansible**.
- Able to automate to continuously define, build and manage **infrastructure** by **Ansible**.
- Create and maintain **playbooks and roles on Ansible servers**
- Create a new container and Manage Images Manage Plug-in Manage Swarm nodes Manage networks on **Docker**
- Restart one or more containers Remove one or more images and Manage checkpoints on **Docker**
- Push an image or a repository to a registry and Pull an image or a repository from a registry on **Docker**
- Create and maintain build, deployment and rollback scripts/tools.
- Execute scheduled application **builds** and **deployments**.
- Generated cookbooks **CI JOBS** and **RELEASE JOBS** in Jenkins machine.
- Involved in **Application** deploy process.
- **Automated deployment process**, where it copies the **Jar& Ear files** and starts **deploying** into **Tomcat Environment** using **Jenkins Plugins**.

Project : 2

Project Title : Macy's online retail store
Organization : Global Infotech
Designation : Devops Engineer
Duration : July 2019 to till date

Description :

Macy's is one of the largest chain of department stores owned by American multinational corporation Macy's Inc. It operates 798 locations in the United States. Macy's online retail store provides its customer to order wide variety of online shopping services. It also has customer support where you can track the status of your consignment, Shipping information and returns.

Responsibilities:

- Managing build scripts, tasks, targets in ANT.
- Integrating **ANT with SCM** tools and deployment tools.
- Managing plugins, dependencies, goals, phases, scope, dependency range, snapshot and version in pom.xml.
- Integrating **MAVEN with SCM** tools and deployment tools.
- Migrating **ANT to Maven**.
- Automate the Build process by using **shell scripts**.
- Isolating **build/deployment** issues versus code issues.
- Automate Build and Deployment process using CI tools **Jenkins**.
- Bug tracking using **Atlassian JIRA** regarding Issue types and Issue priority.
- Build Java Projects with Build tools **Maven and Ant**.
- Performed **merging techniques** to merge the source elements of different versions
- Involved in creating **Dynamic views**.
- Wrote **Ant Scripts** to **automate builds** for various environments.
- Used **Ant and Maven scripts** for all the build scripts.
- Creating automation tool using **Jenkins** of SIT and UAT builds.
- Implemented **Continuous integration** effort with **Jenkins** along with scheduled builds for Releases
- Configured various Jobs in **Jenkins** such that it keep **tracks the changes** with source elements in the VOB repository
- Interacted with supporting teams to understand client **deployment** requests.
- Coordinate with the Development, **Database** Administration, **QA**, and **IT** Operations teams to ensure there are no resource conflicts.
- Performed **merging techniques** to merge the source elements of different versions
- Involved in creating **Dynamic views**.
- Wrote **Ant Scripts** to **automate builds** for various environments.
- Used **Ant and Maven scripts** for all the build scripts.

- Creating automation tool using **Jenkins** of SIT and UAT builds.
- Implemented **Continuous integration** effort with **Jenkins** along with scheduled builds for Releases
- Configured various Jobs in **Jenkins** such that it keep **tracks the changes** with source elements in the VOB repository
- Interacted with supporting teams to understand client **deployment** requests.
- Coordinate with the Development, **Database** Administration, **QA**, and **IT** Operations teams to ensure there are no resource conflicts.
- Worked closely with Project Managers to understand a code/configuration **release scope** and how to confirm a release was successful.
- Implemented continuous integration using Jenkins.
- Created repositories according the structure required with branches, tags
- Analyzed and resolved **conflicts** related to merging of source code for **SVN**.
- Created **jobs** for tagging and branching.
- Configured application servers (**Tomcat**) to deploy the code.
- Created and **configured** multiple instances on Tomcat Server for different teams.
- Configured **plug-ins** for the integration tool to the version control tool.
- Utilize **Jira** for issue reporting, status, and activity planning
- Integrated Maven with Jenkins for the **builds** as the Continuous Integration process.