**DEVOPS ENGINEER**

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**Objective:**

To make contribution to the organization to the best of my ability and to develop new skills and share my knowledge while interacting with others and achieve new height.

 **Professional Summary:**

* Having 3.8 years of experience in IT industry, which includes 3+ years of experience in implementation of **DevOps** in the field of **Automation**, **Software Configuration Management and Cloud Services.**
* Proficient in automating **CI & CD** pipeline using **Jenkins** tool.
* Configured **Jenkins Master-Slave Architecture** using **Jenkins Nodes**.
* Experience in using Nexus for artifact storage and for downloading artifacts for testing and deploying to applications.
* Integrated **SonarQube**with Jenkins for continuous inspection of code quality
* Expertise in Configuration Management Tool like **Ansible**, writing **playbooks**, creating **Roles**.
* Good knowledge over creating and maintaining the infrastructure on **AWS** services such as **EC2-Instances,AMI, IAM, ELB, EBS, RDS, S3**.
* Expertise in managing **AWS services** like **Autoscaling** and **CloudWatch** for applications.
* Experience in configuring and using **S3FS** and **S3cmd** for artifacts storage management and backups.
* Knowledge in configuring **AWS Beanstalk** for static web applications and successfully integrated **AWS Beanstalk** with **Jenkins** for deployment of applications.
* Proficient in creating highly available **VPC** for applications with high security using **NACL** and **Security Groups**.
* Experience on **Bash Scripting**, **Python Scripting** using **Fabric**.
* Experience in using **Version Control Management** tool like **GIT**.
* Hands on **Build Management** tools like **Maven**.
* Experience on automating build and deploy of PHP, Python and Java applications to different environments like **Dev, QA, and UAT** by using **Ansible** and **Jenkins**.
* Having good trouble shooting skills which helped in build, deployment, infrastructure and network issues.
* Knowledge on **Software Development Life Cycle** (SDLC) processes.
* Having Experience in creating Custom **Docker** images using **Dockerfile** and Knowledge over **Docker Networking.**
* Good understanding over clustering using **Kubernetes** and Architecture of Kubernetes.
* Good knowledge over creating Pods,Replication Controllers and deployments and creating Services for Load balancing.
* Have excellent problem solving, time management skills, ability to work independently and under pressure and as part of a team.

**Technical Skills:**

 **Operating Systems :** RedHat Linux, Debian

**Version Control Tools :** Git

**Build Management Tools :** Maven

**Scripting Languages :** Bash script, Python Fabric

**Application Servers :** Apache Tomcat, Apache, Httpd, Nginx

**Continuous Integration Tools :** Jenkins

**Configuration Management Tools :** Ansible

**Cloud Technology :** Amazon Web Services

**Virtualization :** Vagrant, Virtualbox, Docker

**Monitoring tools :** Nagios,Cloud Watch

**Software Repository Managers :** Nexus, S3

**Code analysis :** SonarQube

**Professional Experience:**

* Working as a **DevOps Engineer** in **Tech Mahindra, Hyderabad** from December 2018to till date.
* Worked as a **DevOps Engineer** in **Ness Technologies**, **Hyderabad** from August 2017 to November 2018.
* Worked as a **Linux Administrator** in **Ness Technologies, Hyderabad** from July 2013 to July 2014.

**Education Qualification:**

* B-Tech from QIS Institute of Technology & Science (JNTU).

**Project Summary:**

**Project 1**

**Project :** Market America Online Shopping Portal

**Client :** Market America

**Role :** DevOps Engineer

**Technology :** Git,Jenkins, Linux, AWS, Shell script, Maven, Ansible

**Duration :** December 2018 to till date

**Roles and Responsibilities:**

* Writing **Ansible Playbooks** and creating roles for scalability and reusability to manage the infrastructure.
* Configured Git to inform all the teams about the latest changes happening on it to avoid conflicts due to the push before pull issue.
* Configured **Git** with **Jenkins** and schedule jobs using **POLL SCM.**
* Deployed java applications to **application servers** in agile continuous integration environment and also automated the whole process.
* Responsible for installing **Jenkins** master and slave nodes.
* Deployed the build artifacts into environments like QA, UAT and production according to the build life cycle.
* Automating **AWS** cloud deployments using shell script and **Ansible**.
* Configured packages, services using **Ansible** modules like yum, service, template, handlers etc.
* Configuring **Apache Tomcat** server using **Ansible**.
* Created and managed custom **CentOS** and Linux based **AMI**s.
* Involved in deploying the content cloud platform on Amazon Web Services using **EC2**, **S3**.
* Creating **S3 buckets** and also managing policies for S3 buckets and Glacier for storage and backup on AWS.
* Create and setup automated build environment for java projects using **maven**.
* Managed **Nexus** repositories to download the artifacts (jar, war & ear) during the build.
* Setup **Elastic Load Balancer** for distributing traffic among multiple Web servers.
* Created infrastructure using **Docker containers.**
* Created multiple **Docker files, Docker Images** and **Containers**.
* Successfully integrated **Jenkins** with **Docker** to push the images to the **Docker hub**. To automate the process we stored the Docker files in **Github**.

**Project 2**

**Project :** Bank Master Application

**Client :** Stockton, USA

**Role :** DevOps Engineer

**Technology :** Git, Jenkins, Linux, AWS, Shell script, Ansible

**Duration :** june2017 to November 2018

**Roles and Responsibilities:**

* Installing **Ansible**, Creating inventory file and Ansible configuration files.
* Configured **Jenkins** with **Ansible** for deployment of the application in servers.
* Configured Jenkins jobs with different Plugins **for Testing, Nexus, and Continuous Deployment** to accomplish the complete CI / CD.
* Creating and maintaining the **Jenkins** slaves for distribution of loads and run the parallel builds.
* Responsible for maintaining backups in **Jenkins**.
* We use **Github** to keep all our source code and automation scripts.
* Involved in **Branching, Tagging and Merging** of code delivery at required releases.
* Using **branching** strategy for source code management and Ansible files in Git.
* Configuring Jenkins with Github to automate the integration, when source code is pushed and notify the errors to developers.
* Verifying the logs if build fails.
* Worked closely with software developers and Sysadmin to debug software and system problems.
* Creating and maintaining the **Jenkins slaves** for distribution of loads and run the parallel builds.
* Infrastructure is hosted in **AWS** cloud and responsible for creating and managing **EC2 Instances**.
* Created **Multifactor Authentication** for AWS Users in the organizations.
* Writing **playbooks** for installing and configuring the EC2 instances and automate deployments.
* Performing deployments to multiple environments like **Dev, QA, UAT**&**Production** environments.
* File Systems **Backup** and recovery using tools like **Tar utilities.**
* Scheduled various regular periodic-tasks by using **Crontab.**
* Configuration, administering, troubleshooting and managing services such as APACHE, DHCP, FTP.
* SCP- Remotely copying files by encrypting data.
* Configuring and managing network interface and troubleshooting.

 (Sumanth)