Devops Engineer

Name: Name

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**Current Role Description:**

* DevOps skills with **X** Years of experience in Application deployment and infrastructure automation tools.
* Hands on experiencewith **Docker** and its related components.
* Hands on experience on configuration tools like **Ansible** and creating **Playbooks**.
* Exceptional, analytical and troubleshooting skills in complex **Unix/Linux** system environments.
* Hands-on expertise in using DevOps Continuous Integration-Continuous Deployment(**CI-CD)** tool **Jenkins** with **Maven, Git, Nexus** etc.
* Extensive knowledge on Docker Networking concepts.
* Sound knowledge on Server clusters and managing builds in clusters.
* Experience in creating Docker cluster with **Kubernetes**.
* Worked on **Amazon Web Services (AWS)** Cloud platform by creating **EC2** Instances and configuring all necessary services.
* Cloud Watch for monitoring server metrics, creating alarms & integrating with **auto scaling**.
* Knowledge on Configuring **security groups, Network Access Control List, Routing Tables**.
* Managed different instances of Amazon Web Services like **EC2, S3 bucket, RDS, EBS, ELB, Auto-Scaling, AMI, IAM.**
* Worked for **Agile** Projects and participated in requirement gathering and planning.
* Ability to learn and master new technologies and can deliver outputs in short deadlines.

**Technical Skills:**

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| **Version Control Tools** | GitHub, Stash (Bitbucket) |
| **BUILD Tools** | Maven, Ant |
| **Application Servers** | Tomcat 7, JBoss 7.x**/**Wildfly |
| **Artifactory Repositories** | Nexus and JFrog |
| **Continuions integration Tools** | Jenkins, Bamboo |
| **Code quality Analytics tools** | SonarQube and Sonar Scanner |
| **Cloud Services** | AWS and IBM Cloud |
| **FTP Client Tools** | WinSCP, FileZilla |
| **SSH Client Tools** | Putty, Super Putty |
| **Containerisation Tools** | Docker |
| **Configuration Management Tools** | Ansible and Urban Code Deploy |
| **Operating System** | RedHat Linux, Windows XP/2007 |
| **Scripting** | Shell Script |
| **Logger Tools** | ELK, Log4j |
| **Monitoring Tools** | NewRelic |
| **Ticketing Tools** | Jira |
| **Communication Tools** | Slack, link and outlook for emails |

Educational Qualification:

* M. Tech in Computer Science & Engineering from **Sri Venkateswara University**, Tirupati with 69% in 2016.

**Project-1:**

**Project Name : TBO**

**Role : DevOps/Cloud Engineer**

**Environment :** **AWS, Git, Jenkins, Ansible, Maven, Nexus, Docker, Kubernetes, Shell Scripting,SonarQube, Apache Tomcat.**

**Project Description:**

TBO is an application for operational reporting which you will experience as an easy, effective and flexible way to produce reports that you need. TBO is used to produce reports that derive from application database. TBO makes it possible to export the data to MS Excel, MS Access, HTML and the intranet and is to be used as an analytical tool for investigation and in-depth study of figures regarding Sales and store information.

**Roles & Responsibilities:**

* As a team member my responsibility was to Analysis, implementation of applications and support for new implementations.
* Incident management and problem management, provide timely updates, troubleshooting production issues.
* Manage source control repositories in Git- controlling and monitoring source code for builds.
* Implementing continues integration and continues deployment in Jenkins.
* Manage the daily workload based on priorities and Maintain SLA's to provide quality services to end users.
* Install Plug-ins on need basis in Jenkins.
* Configuring the environments with Ansible and involved in writing playbooks.
* Handling and resolving build and deployment issues.
* Working on user creation, user modification, password and file permission in linux.
* Used Docker Container for running different individual services & optimizing the infrastructure cost.
* Automating the manual process if any by writing the groovy Scripts.
* working on Kubernetes deployments with creation of pod services.
* Participated in all phases of release activities.

**Project-2:**

**Project Name :**  **Clix.**

**Role : DevOps/Cloud Engineer**

**Environment :** **AWS, Git, Jenkins, Ansible, Maven, Nexus, Docker, Shell Scripting,SonarQube, load balancer.**

**Description:** The main scope of this project is DevOps & Automation via Software as a service (SaaS).We build and maintain your IT environment or help troubleshoot and maintain your existing IT environment using our Clix and well experienced Engineers. We will worth you to establish the appropriate cloud and on-premises resources for your business. Enterprise services, Agile via Automation.

**Roles & Responsibilities:**

* Deployed and monitored scalable infrastructure on Amazon web services specifically on AWS EC2.
* Maintaining a farm of **EC2** instances, S3, ELB’s, Cloud watch, cloud trail, Autoscaling and RDS.
* Developed automation framework for Application Deployments to the cloud environments.
* Manage configuration of Web App and Deploy to AWS cloud server through Ansible.
* Installing Jenkins and configuring master - slave nodes.
* Responsible for creating the Jenkins Automation job.
* Experienced in Jenkins administration and enabling the Role based access to the Jenkins.
* Configuring the environments with **Ansible** and involved in writing playbooks.
* Experience in git and GitHub administration.
* Good understanding of Maven pom.xml file.
* Coordinate/assist developers with establishing appropriate branching.
* Resolving the build issues and deployment issues.
* Configuring the docker containers by using docker images.
* Creating Elastic Load Balancer and attaching instances to it.
* Worked on S3 bucket like version control, life cycle management and cross region replication.
* Creating new EBS volumes, modifying existing volume sizes and types when required.
* Creating IAM users and granting them minimal permissions.
* Monitoring the instance resource utilization using CloudWatch and SNS.
* Creating RDS instances and taking snapshots as per the database team requirement
* Working on user creation, user modification, password and file permission in Linux.
* Working experience in Software and process Management.
* Remote Shell Access using SSH, Password less login and Remote File Transfer using SCP and WinSCP.

**Project-3:**

**Project Name** : IMS (Insurance Management System)

**Role** : **DevOps/Cloud Engineer**

**sEnvironment :** Git, Maven, Jenkins, SonarQube, Nexus, Tomcat, Ansible, GCP.

**Description**: Royal Force Alliance is one of the reputed insurance companies in UK. It provides a wide range of insurance policies such as life insurance, Fire insurance, Motor vehicle insurance, Accidental and Health care insurance etc. the main modules being contained in this project are Production Definition, Customer Services, Customer Policy, Cashier, Claims, Billing and Banking. Production Processing is the entry point to start the business processes.

**Responsibilities:**

* Creating CI/CD pipelines by integrating Git, GitHub, Maven, Jenkins, SonarQube, Nexus, Ansible and Docker.
* Designed and implemented Continuous Integration process using tools like Jenkins with approval from development and other affected teams.
* Involved in deploying .jar and .ear in to Tomcat Application.
* Responsible for the set up and ongoing maintenance of GIT.
* Participated in Branching and Merging using GIT.
* Hands-on in writing the Dockerfile for building images.
* Responsible for managing the Docker registry.
* Modified Maven scripts to build the .jar, .war and .ear files from Git Maintenance of Maven, Pipeline scripts for safe builds and deploys.
* Experience in Implemented Ansible for the configuration management.
* Administered and Implemented CI tool Jenkins for automated builds.
* Installing Plugins in Jenkins as per project requirements.
* Established coding standards and enforced them through automated tools (SonarQube).
* Configuring Slaves in Jenkins.