**DevOps Engineer with 6 Years of Experience**

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**PROFESSIONAL SUMMARY:**

Having 6 years experience in the IT Industry as a **DevOps** and **AWS** Engineer. Possessing excellent programming skills summed up with strong knowledge in **Linux, Shell Scripting, DevOps, Jenkins, Maven, Git, Ansible, Docker, Kubernetes, Terraform, Apache, Tomcat, Amazon Web Service s (AWS)**.

**Skill Summary (DevOps & AWS):**

* Implementing a Continuous delivery framework using **Jenkins, Ansible, & Maven** in **Linux environment.**
* Deploying and Automated deployment of artifacts to various environments like DEV, QA, and UAT/STAGING through freestyle and pipeline script.
* Verify Deployment logs to check for successful deployments.
* Experience on working with **GIT** and **Git Hub** - Created Repositories, branches and providing access permissions to the developers over branches.
* Extensively worked on Jenkins for **CICD** and for End to End automation for all build and deployments using pipeline scripts and freestyle jobs.
* Monitoring daily builds and Verifying logs if build fails in Jenkins. Creating WAR Files Using the build tool **Maven**.
* Expertise in building automated CICD pipeline with the help of **Jenkins**.
* Good experience in Managing and backup the generated artifacts into **JFrog** Artifactory.
* Configured **Jenkins** nodes to build jobs & distributing the load of Jenkins server and achieved parallel builds using master-slave configuration.
* Good **Knowledge** in writing Terraform template files and modules to create, update, version and provisioning the AWS infrastructure.
* Good experience in writing **Ansible** Playbooks and deploying applications and provisioning Cloud services.
* Good Experience in containerization tool **Docker** and Configuring the customized **Docker** containers and creating **Docker** files for different environments.
* Good Experience in container orchestration tool **Kubernetes**. I am able to run stateless and stateful applications on k8s cluster and creating **Kubernetes** manifest files like **pod, services, daemon sets, replica sets, replica controller , deployments.**
* Using volumes to provide persistence storage to containers. Worked on scaling our apps using metrics.
* Used **terraform** for building, changing and versioning infrastructure safely and efficiently
* Good experience in **AWS** with provisioning & resource management and setting up Enterprise infrastructure on Amazon Web Services (AWS).
* Experience in configure AWS services **like VPC, EC2, Autoscaling, IAM, AMI, EBS, ELB, Cloud watch, RDS and S3.**
* Experience of configuring highly available, secure and robust VPC in AWS.Configured security groups, Network Access Control Lit, Routing Tables.
* Experience of configuring auto-scaling, Load Balancers to handle the load on servers.
* **Cloud Watch** for monitoring server metrics, creating alarms & integrating with **auto scaling** in AWS.
* Experience in Monitoring teams to identify and troubleshoot issues on servers using tools like **Nagios.**

**PROFESSIONAL EXPERIENCE:**

* Currently working as aDevOps Engineer in **NextGen Healthcare**  from **May 2015** to till date.

**EDUCATION:**

BE - Electronics & Comm Engineering - H.m.s Institute Of Technology, Tumkur - Visvesvaraya Technological University

12th - Jagadguru Tontadarya College, Gadag - Karnataka Board Of The Pre-university Education, Bangalore

10th - C D O Jain English Medium School , Gadag - Karnataka Secondary Education Examination Board

**TECHNICAL SKILLS:**

* Application Server : **Tomcat**
* Build Tools : **Maven.**
* (SCM) Tool : **Git,GITHUB**
* Continuous Integration (CI) Tool : **Jenkins**, **Jenkins pipeline**
* Operating Systems : **Linux, Ubuntu, Windows.**
* Scripting Languages : **Shell Script. Groovy**
* Web Server : **Nginx, Apache**
* Configuration Management Too**l** : **Ansible.**
* Cloud services : **AWS.**
* Monitoring Tools : **Cloudwatch**
* Command Line Editors : **VI, Vim, Nano.**
* Container Tools : **Docker , Kubernetes**
* Infrastructure as Code (IaC) **: Terraform**

**PROJECT DETAILS:**

**Project :**

 **Project :**  **Integrated Analysis of Banking Solution**

 **Role : DevOps Engineer**

 **Environments : Jenkins, Git, Linux, Maven, Shell script, Ansible, Docker,**

 **Kubernetes, AWS.**

 **Duration : July 2015 to till date.**

**Description:** Develops software for electronic health record and practice management systems to the healthcare industry**.** And provides software for population health, finical management and clinical solutions for medical and dental practices

**Roles & Responsibilities:**

* Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using **GIT** source control.
* Worked on infrastructure automation to manage configuration of AWS resources using **Terraform**
* Automating environment build and provisioning using containerization and orchestration tools with **Docker and Kubernetes**
* Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with **Ant** and **Maven** to schedule the builds and automated the deployment on the application servers using the “code deploy” plugin for Jenkins.
* **Continuous Delivery** is being enabled through **Deployment** into several environments of Test, QA, Stress and Production using **Jenkins**.
* Automate the builds and deployment of **projects** using Jenkins.
* Implement, maintain and support reliable, timely and reproducible builds for project teams
* Hands on experience in automating builds and deployment process using Shell scripting.
* Setting up EC2s, Creating VPCs, modifying route tables accordingly, Creating ELBs and configuring them to work on the service ports as per the application’s need.
* Experience working on several Docker components like Docker Engine, Hub, Machine and Docker Registry.
* Created Docker files and build images and push to the Docker private registry
* I am creating **Kubernetes** manifest files like **pod, service, daemon sets,** **replica sets, replica controller, and deployments.**
* Involved in fixing the **Bugs** in the build script.
* I worked on build tools such as Maven and I worked on configuration Management tools as Ansible and to deploying the packages in to servers.
* Manage configuration of Web App and Deploy to **Ansible.**
* Experienced with Nagios, Cloud Watch as IT Infrastructure Monitoring tool.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux) and Configuring launched instances with respect to specific applications.
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, Security Groups, RDS and IAM).
* Branching, Tagging, Release Activities on Version Control Tools: Git Hub.
* Installing and configuring Jenkins on a Linux machine and created a Master and Slave configuration to implement multiple parallel builds through a build form. Configured plugins in Jenkins to interact with the other tools and scripts.
* Manage Build and Release requests using Jenkins and managing plugins.
* Build Java Code in different Jenkins servers as per the schedule.
* Configured and maintained Nexus remote repository for deploying the artifacts and war files.
* Implemented Docker to set up local Development environment
* Setting up the Docker private registry
* Created Docker files and build images and push to the Docker private registry
* Set up the local development environments through Docker containers for new developers

I declare that the information given above is true to the best of my knowledge

**Place: Bangalore**

**Pan card: CEFPK9705P PRADEEP KENDUR**

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