**Rakesh Kalwacherla**

**Contact: +91-** **8885111213**

M**ail: rakeshkalwacherla@gmail.com DevOps Engineer**

**Experience**

DevOps engineer with an experience of 3.5 years managing end to end Cloud Infrastructure Creation,

Management, Automation and Deployment.

**Professional Summary:**

* 3.5 years of extensive experience on key technologies **AWS Cloud** and **DevOps** Methodologies.
* Responsible for maintaining the complete automated build process for producing product releases.
* Experience in using **Nexus** Repository Managers for Maven.
* Installed **Jenkins** and created jobs for builds deployment and other task to automate.
* Proficiency in implementing Continuous Integration (CI) and Continuous Deployment (CD) using **Jenkins Pipeline Script (groovy script).**
* Excellent skill in applying Continuous Integration, Continuous Deployment (CD) and Continuous Delivery process & tools [Example: Git, Maven, Jenkins, SonarQube, Nexus, Docker, Kubernetes, Terraform.
* Implemented **Master-Slave architectural setup** in Jenkins for higher availability, fault tolerance and managing distributed build
* Good experience in deploying the files in **Web** and **Application server** like **Apache Tomcat.**
* Automated applications Configuration using configuration management tools like **Ansibe**
* Capable of building **Docker** images such as Docker files.
* Extensive experience in setting up the **Kubernetes(K8S)** for the Docker to handle cluster based containers

* Implemented Testing environments for **kubernetes** and administrated the **kubernetes clusters**
* Deployed and orchestrated the applications with **Kubernetes**
* Deployed code to multiple environments like **DEV**, **TEST, QA, and PROD**.
* Work closely with Development and QA teams on Build and Deployment issues.
* Familiar with Software Development Life Cycle (SDLC) processes.
* Helping developer’s issues that are related to version control.
* Involved in the implementation of **Terraform** scripts to launch the services of AWS
* Deep hands-on knowledge of various AWS services like VPC, Subnet, EBS, EC2, IAM, S3, ELB, Auto Scaling, Cloud Watch, Elastic IP, Security Group,LAMDA on AWS

**Professional Experience:**

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| --- | --- | --- |
| **Company Name** | **Designation** | **Duration** |
| **Zensar Technologies,Hyderabad** | Devops Engineer | Apr - 2019 ToTill date |
| **Persistent Systems,Hyderabad** | Devops Engineer | Aug - 2017 To Mar – 2019 |

**Technical Skills:**

* + **Code Versioning Tool :** GitLab, Github
	+ **Build Tool :** MAVEN
	+ **Application Server :** Apache Tomcat
	+ **Web Server :** Nginx, Apache
	+ **Continuous Integration Tool** : Jenkins
	+ **Scripting Languages** : Shell Scripting, YAML
	+ **Configuration Tool** : Ansible
	+ **Databases** : MySQL
	+ **Containerization tool** : Docker
	+ **Container Orchestration Tool :** Kubernetes
	+ **Ticketing Tool** : Jira
	+ **Cloud Orchestration Tool :** Terraform
	+ **Cloud Technologies** : AWS- EC2, IAM, S3, Cloud Watch, ELB,VPC, Auto Scaling, etc
	+ **Operating System** : Linux(RHEL/CentOS),Windows

**Qualification:**

* Completed **B.Tech** in 2016.

**Additional Information:**

* Ability to build a strong relationship with the clients.
* Strong Interpersonal and Communication skills
* Ability to work in a team with diverse backgrounds
* Determination, dedication, and discipline
* Willing to learn and adapt to new opportunities and challenges.

**Working Experience:**

**Project: 01**

 **Project** : Market America Online Shopping Portal

 **Client** : Market America Online Shopping Portal, USA

 **Duration** : Apr - 2019 ToTill date

 **Role** : DevOps Engineer

**Project Description:**

 Market America Online shopping Portal.Through the Market America Portal, you can access one of the largest online shopping networks available and browse the inventory of thousands of partners along with in-house brands. MarkeAmerica has over 3 million Preferred Customers and over 180,000 global Shop Consultants throughout the globel Market America is one of the leading online shopping portals in America.

**Roles and Responsibilities:**

* Configured Jenkins Jobs for generating Project artifacts.
* Configured Jenkins pipeline as per requirement.
* Maintain GIT Repositories, Branching activities for GIT.
* Responsible for taking the source code and compiling using Maven and package it in its distributable format, such as a JAR, WAR.
* Perform deployments to multiple environments like DEV, QA and TEST environments via Ansible.
* Deploying the WAR files in Tomcat server.
* Capable of building Docker images such as Dockerfiles.
* Deploying the War file in Docker container.
* Good knowledge on configuring and Installation of Ansible.
* Good knowledge on writing playbook for Ansible.
* Troubleshooting application related issues and providing logs to developers for further investigation.
* Documenting all the Build and Deployment related issues.
* Build environment and release EC2instances Amazon Linux, Redhat, and Centos for Development and Production.
* Setup and attached EBS volumes to EC2instances
* Setup and managed backup and recovery using snapshot.
* Create AMI images critical EC2 instances as backup using GUI.
* Infra-structure development on AWS using various services like EC2, S3, Cloud Watch, IAM etc.
* Attaching or Detaching EBS volume to AWS EC2 instance.
* Configured Cloud watch alert.
* Worked on tickets assigned by the helpdesk.
* Launching and configuring of Amazon EC2 (AWS) cloud servers using AMI’s (Linux, Ubuntu) and configuring the servers for specified applications.
* Configuring and managing ELB.
* Configuring and managing S3 storage.
* Workspace setup and troubleshooting.
* Configuring Cloud Watch for monitoring instance ELB’s etc.
* Effective cost calculating using AWS Calculator.
* Create and configure S3 bucket with restricted policies.
* Documenting all the Build and deployment related issues.

**Project: 02**

 **Client** : Royal Sun Alliance

 **Duration** : Aug - 2017 to Mar – 2019

 **Role** : DevOps Engineer

**Project Description:**

Royal Force Alliance is one of the reputed insurance companies. The main modules being contained in this project are Customer Services, Customer Policy, Cashier, Claims, Production Processing, Production Definition,
Billing and Banking etc. This is the entry point to start the business processes.

**Roles and Responsibilities:**

* Creating CI/CD pipelines by integrating Git, Maven, Jenkins and Ansible.
* Branching, Tagging, Release Activities on Version Control Tool GIT.
* Configuring Jenkins job with related plug-in for Testing, Artifactory, and Continuous Deployment to accomplish the complete CI / CD.
* Implementing new projects builds framework using Jenkins & Maven as build framework tools.
* Install, Configure, Administrator Jenkins Continuous Integration Tool.
* Giving access control to specific project and user level in Jenkins.
* Responsible for taking the source code and compiling using Maven and package it in its distributable format, such as a JAR / WAR.
* Hands-on with development tools for static code analysis and code coverage
* Setup Ansible Playbooks to perform builds and deployment management.
* Involved in writing Ansible Playbooks and Modules to automate the deployment process and to integrating Ansible Playbooks into Jenkins jobs for CD framework.
* Experience with Ansible playbooks, modules, templates and roles, variables by using YAML language.
* Design EC2 instance architecture to meet high availability application architecture and security parameters.
* Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Worked on AWS services such as Setting up new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IP's, auto-scaling configuration, and Cloud Formation.
* Hands-on in writing Docker files and Docker Configuration.
* Created Docker Containers by using Docker Images.
* Automated cloud watch alerts and email notifications.

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