**Raju A**

**E-mail:** [**rajualakuntla93@gmail.com**](mailto:rajualakuntla93@gmail.com)

**Contact: 9949203581**

**Profile Overview:-**

Having 3+ years of experience on **DevOps Tools** under various platforms on **Amazon Web Services (AWS)**

**Technical Skills:-**

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| **Version Control system** | GIT, GitHub. |
| **Build Tools** | Maven |
| **Continues integration Tool** | Jenkins |
| **Static code analysis** | SonarQube |
| **Containerization Tool** | Docker |
| **Container Orchestration** | Docker Swarm , Kubernetes |
| **Load Balancer** | Nginx |
| **Monitoring Tools** | Cloud Watch , Prometheus Grafana |
| **Configuration Management** | Ansible |
| **Infrastructure Provisioning Tool (IAAC)** | Terraform |
| **Cloud** | AWS |
| **Scripting Languages** | Python |
| **Application Server** | Apache Tomcat Server |
| **Arftifactory Repository Tool** | Nexus |
| **Operating System (OS** | Windows, Linux |
| **Communication Tools** | Slack and Outlook for mails |

**Professional summary:-**

* Configured **Jenkins** as continuous integration tool for regular source code builds in **CI/CD** **pipelines**.
* Extensive Experience in Jenkins master-slave Architecture
* Hands on experience with SCM tools like **Git/GitHub** for branching, tagging and version management
* Well versed in creating **Groovy Script**
* Performed **Sonar Quality gate** to check security vulnerability scan
* Build Management – Experience in tools such as **Maven,** for build management.
* Experience in Building and Deploying Java based web applications on Apache Tomcat server.
* Installed and managed Web Servers such as Apache & Tomcat through Ansible Configuration management tool Implemented Prometheus to monitor Containerization Environments
* Hands on experience with Configuration Management Tool **Ansible.**
* Hands on experience in creating Ansible Playbooks for Software Application deployment automation
* Experience in working with Containerization technology **Docker**
* used Docker for creating the dev and QA environments
* Used **Docker Swarm** and **Kubernetes**to orchestrate the deployment, scaling and management of Docker Containers.
* Performed Load Balancing, Scaling, Performing Rolling Updates and Failover scenarios using Docker swarm&K8S
* Hands on Experience with IAAC tool **Terraform**
* Hands experience on **Amazon EC2** cloud deployments using DevOps tools like Jenkins and Ansible.
* Strong experience in Storage Methodology, Performance monitoring, worked on Monitoring tools Cloud Watch (AWS).
* Working knowledge of **AWS Cloud services**
* Utilized **Cloud Watch** to monitor resources such as **EC2, CPU Utilization, Network traffic, EBS volumes**
* Team player with strong communication, interpersonal, analytical Skills

Work Experience:-

* Working as a DevOps Engineer in **TCS –** Hyderabad from November 2017 to till date. (3.8 Years )

Educational Qualification:-

* Completed Master of Technology From Siddhartha Institute of Engineering & Technology, JNTUH , Hyderabad

**PROJECT SUMMARY:**

**Project 1:--**

**Project : Insurance Portal**

**Role :** DevOps Engineer

**Tools used :** Git , GitHub , Jenkins, SonarQube, Ansible, Terraform, Docker, Kubernetes, Prometheus & Grafana, AWS.

**Roles & Responsibilities:-**

* Automated CICD Process by using Jenkins and integrated with Git, Maven, SonarQube
* Writing inventory files and Ansible playbooks in the form of Roles Structure
* Perform Build activities using Maven and Jenkins tool.
* Troubleshooted build issues
* Coordinate/assist developers with establishing and applying appropriate branching, labelling/naming conventions using Git source control.
* Analyze and resolve conflicts related to merging of source code for GIT.
* Resolved merging issues during rebasing and re-integrating branches by conducting meetings with Development Team Leads.
* Responsible for designing and deploying best SCM processes and procedures.
* Working very closely with Developers and Testers team. We setup Jenkins server & nodes for build and release team as per requirement
* Launching EC2 instances by using amazon web services (AWS)and Configuring Launching instances with required softwares
* Launched AWS infrastructure By using Terraform tool
* Created Docker files to Containerize Services and Setup the Container orchestration Environment by using Docker Swarm and Kubernetes (K8S)
* Created various Definition files to manage Kubernetes Environment
* Setup the Infrastructure monitoring tool Cloudwatch for monitoring Entire Kubernetes cluster and enabled Alarms for automatic Notifications regarding cluster status
* Utilized the Prometheus for monitoring Containerized Environment , For that involved in creating Prometheus configuration files and created Dashboards by using Grafana

**Project @2:-**

**Project :** E-commerce Application

**Role :** Devops Engineer

**Tools used :** Git, Jenkins, Maven, Ansible , & Docker Swarm ,Cloudwatch **,** Prometheus & Grafana ,Python**.**

**Responsibilities:-**

* Worked with Ansible as Configuration management tool.
* Designed, Installed and Implemented Ansible configuration management system.
* Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
* Developed Builds using MAVEN as build tool and used Jenkins to move builds from one environment to other environments.
* Troubleshooted build issues.
* Used SonarQube to analyze source code quality and Stored Artifacts to Nexus repository.
* Creating IAM roles and policies and Giving permissions according to the task
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
* Involved in creating Docker files, Docker compose files to Containerize Micro Services and Setup the Container orchestration Environment by Docker Swarm.
* By enabling auto lock feature maintaining Docker swarm security.
* Maintain all the secret files of Databases in AWS cloud
* Scaling Containers according to requirements collected from developers team
* By using Terraform Scaling infrastructure by communicating with cloud team
* Working with cloudwatch as monitoring tool ,Continuously monitoring Containers Performance by using Prometheus and Created Dashboards by using the tool Grafana