

## RESUME

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### PROFILE & ACHIEVEMENTS

#### SUMMARY:

- DevOps & AWS Engineer with 6 years of experience supporting multiple environments and as well as communicating with different teams.
- Managed DEV, QA, Pre-prod, PROD environments for various releases.
- Working experience on operating systems like Windows, Linux, Unix etc.
- Ability to learn and master new technologies and also to deliver outputs in short deadlines.

#### DevOps:

- Working experience in DevOps tools like **Git** (Git Hub, Git Bash), **Maven**, **Jenkins**, **Docker**, **Apache Tomcat**, **SonarQube**, **Nexus**, **Chef (Ruby)**, **Ansible (YAML)** and **Shell Scripting**.
- Working experience in continuous integration & continuous deployment tool like **Jenkin** and dependency tools like **Git**, **Maven**.
- Extensive experience using Maven as build tool for building deployable artifacts (jar, war & ear) from source code.
- Experience in using **Nexus**, Artifactory Repository Managers for Maven builds.
- Have good experience in Build/Deploy Pipeline Setup and End-to-End Job Setup of all the projects.
- Experience in integrating Unit Tests and Code Quality Analysis Tools like **SonarQube**.
- Working experience on Automate Build Process, Automate Testing Process, Automate Deployment Process and Automate Release Process.
- Having good working experience in **agile methodology**.
- Hands on expertise in implementing DevOps culture through CI/CD tools like **Jenkins**.
- Having good experience in configuration management tools like **Ansible**.
- Experience in installing and configuring **Ansible** on build server and having experience with **playbooks** using **YAML**.
- Having experience in Ticketing & Bug tracking tool **JIRA**.
- Worked with Developers, QA and other teams to ensure automated test efforts are achieved.

#### AWS:

- Good understanding of Amazon Web Services (AWS), Creating EC2 Instances and configuring all necessary services. Configure Virtual Private Cloud (VPC) with subnets, and Route tables and Gateways.
- Having experience on below services EC2,VPC,AMI,IAM,EBS,S3,ELB,NAT and Auto scaling and resources.
- **Cloud Watch** for monitoring the resources, creating alarms & integrating with auto scaling.
- Handon experience in Configured security groups and Network Access Control List (NACL).

## SKILL SET

Version Control Tool	Git, GitHub
Operating Systems	Linux and Windows
Scripting	Shell Scripting
Build Tools	Maven
Infra Provision	Terraform && Cloud Formation
Artifactory Repos	Nexus
Source Code Quality Mgt Tool	SonarQube
Continuous Integration Tools	Jenkins
Cloud Environment	AWS
Configuration Management	Ansible
Containerization Tool	Docker
Container Orchestration Tool	Kubernetes
Monitoring Tool	Grafana && Nagios && Cloud Watch

## EXPERIENCE

- Worked as DevOps Engineer at Tata Consultancy Services from Apr 2022 to June-2023

## PROJECT DETAILS

**Employer:** TCS

**Role:** DevOps Engineer

**Duration:** May 2022 to Jun-2023

## Roles & Responsibilities :

- Primarily responsible for providing Release Engineer tasks to two different teams. In addition, developing and supporting day to day release builds and deployments, improving existing infrastructure and services with upgrades, and consolidate existing tools.
- Implementation of new build and deploy tools & Process to make smooth pipeline transition from Dev to Test and Production.
- Creating repositories, new users for SVN and give the permissions to users to access repository.
- Create branches and participating in merging.
- Helping users on Day-to-Day activities involving Check In, Check Out, View problems.
- Maven used as build tool to build a source code.
- Creating War/Jar files using Maven.
- Installation and configuration of Jenkins CI tool.
- Manage re-architecture of Jenkins and implemented Jenkins slave
- Configure Jenkins/Hudson jobs for nightly and milestone builds.

- Automate the build Process Using Jenkins jobs.
- Installed required Jenkins plug-ins.
- Creating and maintaining Jenkins Jobs.
- Experience with automated Build pipeline, continuous integration and continuous deployment environments.
- Resolve builds related issues
- Work with Development Teams and Testing Team to establish a build schedule, execute the builds and troubleshoot build failures.
- Involved in automation of deployment and configuration process.
- While building the code used Nexus as corporate repository.
- Configuration of SonarQube with Jenkins.
- Managing Continuous Integration and Continuous Delivery using Jenkins and test code quality using SonarQube.
- Develop continuous delivery product release pipelines, using tools such as Jenkins, and enable release and operations automation using Ansible.
- Deploy and monitor scalable infrastructure on AWS & configuration management using Ansible.
- Created the Ansible playbooks for the requirement and deployed into the respective nodes
- Created Docker images using Docker files to support containerization of applications.
- Configuring the Docker containers and creating Docker Compose for different environments.
- Implementing Dockerization (Docker) for application launching containers and images.
- Having experience on Docker Networking using bridge and Docker Volumes.
- Managing the Containers using the orchestration tool like Kubernetes as AWS EKS managed service.
- Performing deployments to multiple environments like Dev, QA, & Production environment.

**Environment:** Git, maven, Jenkins, Cloud Computing (AWS), Cloud Watch, SonarQube, nexus, Ansible, Docker, Apache tomcat, JIRA, Shell Scripting, Linux

**Employer:** Orient Technologies Pvt Ltd

**Role:** AWS & DevOps Engineer

**Duration:** Dec 2019 to Apr-2022

#### **Roles & Responsibilities :**

- Maintaining the source code in **GIT** for various applications.
- Installing and configuring **GIT, Maven, Docker and Ansible** through **Jenkins** for Deployment and automation.
- Automating build process for creating JAR/WAR artifacts using Maven.
- Using Jenkins as a Continuous Integration tool for automation of daily process.
- Responsible for the Plug-in Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
- Project fully based on **agile methodology**.
- Installed and configured Jenkins for continuous integration and performed continuous deployments.

- Build and configured Jenkins slaves for parallel job execution.
- Integrating sonarqube with Jenkins for static code analysis
- Integrating Nexus with Jenkins to store artifacts
- Using Configuration management tool **Ansible** for configuring multiple servers.
- Using Ansible to write **Ad-Hoc** for single Services & maintain **Playbooks** for multiple services.
- Using Dockerization technology tool (**Docker**) to create container for multiple packages.
- Managed Amazon Web Services like **EC2, S3 bucket, RDS, EBS, ELB, Auto-Scaling, AMI, IAM** roles through AWS Console.
- Utilizing **Cloud Watch** to monitor resources such as EC2, EBS, ELB, RDS, and S3 etc.
- Configured security groups, Network Access Control List and Routing Tables.
- Hands on experience in AWS with provisioning & resource management and setting up Enterprise infrastructure on Amazon Web Services (AWS).
- Experience working on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
- Implementing and setting up **Route 53** for AWS Web Instances, ELB & Cloud Front on AWS Environment.
- Configure Virtual Private Cloud with subnets, AWS security patches and NAT Instances manually as well as with the VPC creator.

**Environment:** Git, maven, Jenkins, Cloud Computing (AWS), Cloud Watch, sonarqube, nexus, Ansible, Docker, Apache tomcat, JIRA, Shell Scripting, Linux

**Employer:** Orient Technologies Pvt Ltd

**Role:** AWS Cloud Engineer

**Duration:** Sep 2017 to Nov-2019

#### **Roles & Responsibilities :**

- Design and deploy scalable, highly available, cost efficient and fault tolerance systems.
- Design and create VPC to host multiple-tier web applications.
- Assist with the Migrating of Applications and Data from on premise to AWS Cloud.
- Participate in the building, configuring and designing of virtual data center in AWS.
- Participate in choosing appropriate AWS services and solutions based on data, compute, database, or security requirements.
- Analysing and monitor performance bottlenecks and key metrics to optimize software and system performance
- Configure CloudWatch to receive logs from CloudTrail and visualize the logs, search on events and notify the alarms of the events through emails.
- Create S3 buckets to store files, attach bucket policies and configure various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
- Use IAM for creating roles, users, groups and implemented MFA to provide additional security to AWS account and its resources.

- Hardening AWS environment by configuring and implementing techniques for Securing Web Applications.
- Providing analytics and forecasts for cloud capacity, troubleshooting analysis, and uptime.
- Create support case with AWS for any critical issues and follow-up.
- Implemented Docker to containerize the applications.
- Good experience in building and creating containers using docker images and deploying the applications there.
- Used Kubernetes to manage containers in different environment like in testing pre-pod and pod environment.
- User terraform to automate the infrastructure of the application to achieve the better performance of the application
- Create support case with AWS for any critical issues and follow-up.

## EDUCATION

- **M.Tech in Computer Science and Engineering (CSE)** from **Shree Rama Educational Society's** affiliated by **JNTU Anantapur (2016)**

## PERSONAL PROFILE

<b>Fathers Name</b>	:	Anjaneyulu. B
<b>Permanent Address</b>	:	1/35, Ramapuram Main Road, K
<b>Nationality</b>	:	Indian.
<b>Linguistic Knowledge</b>	:	Telugu, Hindi and English.