**D. Sujeeth Kumar Reddy**

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Profile Overview:

Having 3 + years of Experience in Implementing Organization **DevOps** strategy in various environments of **Linux** and **windows** servers along with adopting cloud strategies based on **Amazon Web Services**.

**Professional Profile:**

**Having 3+ years of experience in areas of Build / Release / Environment Management, releases for multiple Applications running on both Linux & Windows based distributed Infrastructures. Software Configuration and DevOps Methodologies with equal emphasis on supporting Java/J2EE applications and setting up and maintaining CI & CD pipelines and delivering on AWS.**

Working knowledge of **AWS Cloud services** - (EC2, S3, Cloud Watch,, IAM).

* Utilized **Cloud Watch** to monitor resources such as **EC2, CPU memory, Amazon RDS DB services**.
* **Knowledge on creating, deleting and updating the buckets in S3.**
* Deep knowledge of CI (Continuous Integration) and CD (Continuous Deployment) methodologies with **Jenkins.** Extensive Experience in Jenkins master-slave for multi machine builds.
* Well versed in creating Groovy script based Jenkins file for automating multi branch pipeline jobs.
* Build Management – Experience in tools such as **Maven,** for build management.
* Hands on experience with Configuration Management Tools such as **Ansible.**
* Extensive experience using MAVEN as build tools for the building of deployable artifacts (jar, war & ear) from source code.
* Knowledge on Server provisioning tools like Ansible to automate the Configuration Management Activities.
* Hands on experience in creating Ansible Playbooks for cloud automation (AWS) and Application deployment automation.
* Installed and managed Middleware Servers such as Apache & Tomcat through Ansible Configuration management tool.
* Good understanding in creating Ansible playbooks and roles for remote configuration of servers.
* Hands on experience with SCM tools like **Git/GitHub** for branching, tagging and version management.
* Hands on experience in Linux Administration (Installation, Configuration & Troubleshooting).
* Proficient in installation, configuration and maintenance of Tomcat server.
* 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).
* Extensively used Docker for creating the dev and QA environments.
* Good understanding of Docker compose for creating the multi container architecture.
* Well versed in creating Docker customized images using Docker file
* Implemented container orchestration using Docker swarm.
* Performed Load Balancing, Scaling, Performing Rolling Updates and Failover scenarios using Docker swarm.
* Team player with strong communication, interpersonal, analytical and problem solving skills.

**WORK EXPERIENCE:**

* Worked as a Desktop Engineer in Akshara Enterprise Pvt Ltd from October 2017 to April 2021
* Worked as Windows Administrator in the client location from October 2017 to April 2018
* Involved in Devops Tools in the client location CDM (College Of Defence Management) from April 2018 to 2021

**PROJECT**

* **PAYROLL : Akshara Enterprise Pvt Ltd**
* **CLIENT : College Of Defence Management (CDM)**
* **ROLE : Build Engineer**
* **ENVIRONMENT : PYTHON, GIT, MAVEN, JENKINS, TOMCAT, AWS CLOUD, ANSIBLE, Kubernetes**

**Roles & Responsibilities:-**

* Hands-on experience in Amazon Web Services (AWS) and Worked as a part of AWS build team.
* Designed and implemented Continuous Integration process using tools like Jenkins with approval from development and other affected teams. Manage Build and Release requests using Jenkins.
* Creating CI/CD pipelines by integrating source control tools GIT, Build tools like Maven, CI tool like Jenkins and Deployment automation tool like Ansible.
* Maintaining EC2 services like launching instances, attaching volumes, configuring security group, monitoring.
* Creating the AMI’s for the different types of Environments [like Development, Production and Testing].
* Creating S3 buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS GUI and CLI.
* Create and managing VPC, Subnet, Security groups and launching instances in it.
* Generating the Artifacts by using the Build Tools like Maven. Creating, Building and Scheduling the Jobs through Jenkins.
* Creating Ansible playbooks for infrastructure automation, application deployment automation and managing automation.
* Attended various trainings on GIT, Ant, Maven, and Jenkins.
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, Security Groups, and IAM).
* Setup/Managing VPC, Subnets; make connection between different zones; blocking suspicious ip/subnet via NACL.
* Snapshots of EC2 instance volumes and restore of servers from snapshots/AMIs Taking AMI of an instance and building a new instance from the AMI image.
* Monitoring and configuring the Cloud watch metrics for the EC2 servers.
* Worked exclusively on making applications more scalable and highly available system in AWS (load balancing) with full automation.
* Responsible for creating and managing a collection of related AWS resources, provisioning and updating them in an orderly and predictable fashion.
* Managing multiple users and their permissions with Identity and Access Management.
* Configuring security groups based on client requirements to allow/deny the traffic based upon ports, protocols and IP addresses.
* Managing and collection of logs through AWS Cloud Trail.
* Focusing on the processes, techniques and tools that can help to save company’s expenditure on IT infrastructure after it is been moved to AWS cloud.
* Designing and Deploying Highly scalable infrastructure using ELB and Auto Scaling services. Creating Public and private Subnets, Routing tables and Internet Gateway by using VPC.
* Managing Nagios and Cloud watch for Monitor critical system health, Performance, Security, disk and Memory usage.
* Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Ansible and Jenkins.
* Used Jenkins for Continuous Integration and deployment into Tomcat Application Server.
* Monitored and worked on alerts send by cloud watch on various issues related to server availability, disk issues, CPU, memory, processes, etc.
* Wrote scripts for automation of all the recommendations provided by CIS & apply then to the Golden AMI so that the Ec2 Servers are most secure & hardened to any kind of Virus & hacking.
* Continuous testing the automation until it moves to production servers
* Implemented Docker for Development and Testing Environment.
* Providing On Call Support to the Corporate and to the 24x7 System Support Analysts to troubleshoot system

**Kubernetes:**

* Able to Create Kubernetes Cluster using Google cloud Platform
* Responsible to create Pod-Definition files according to the requirement
* Able to create multi container orchestration using Yamil files.
* Worked on Pycharm Idle to create definition files
* Responsible to create Service definition Files to give access to the containers on any nodes.
* Able to Create Multiple Replicas on Containers to maintain the load Balance.
* Having Good Knowledge on Kubernetes Cluster Commands.
* Able to Configure Kubernetes on Linux Machines.

**QUALIFICATION**

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| PERTICULARS | YEAR | BOARD | SCHOOL/COLLEGE |
| B.TECH | 2011 | JNTU HYDERABAD | AVCR |

**CHOO**