

## JOB OBJECTIVE

A highly self-motivated and ambitious professional Having 3+ Years of Experience as a DevOps Engineer, AWS Cloud Engineer And Linux Admin with a strong academic background. Looking forward to associate with an organization where my diversified vehicle skills in Software Configuration Management.

## PROFESSIONAL EXPERIENCE

Working as DevOps/Cloud Engineer for **Creative Tech Mars software Solutions Private Limited** from Sep 2017 to Till Date. Experience in Configuration Management covering Build Management, Version Control, Continuous Integration, Monitoring, Visualizations, AWS-Cloud service technologies and operating systems – Linux, Windows.

## EXPERIENCE SUMMARY

- Experienced in working on DevOps/Agile operation process and tools area (Code review, unit test automation, Build & Release automation, Environment, and Cloud Management).
- Hands on Experience in **AWS Cloud Services**.
- Extensive Working knowledge on **IAM** for Identity on Access management for AWS using **Multi Factor Authentication**.
- Hands on Experience in creation of Roles, Policies and Users in **IAM**.
- Hands on Experience of Creating Public and Private Subnets for **VPC**.
- Hands on Experience in attach subnet association and routes to the **route tables**.
- Hands on Experience in **VPC Peering connection** and transit gateway and vpn connections.
- Hands on Experience in sharing **Transit gateway** from one account to another, and **S3** bucket replica from same account and another account also.
- **EBS** and **EFS's** Disk attached **EC2** servers.
- Hands on Experience in **Route 53** creating hosting by using through godaddy and configured & creating and managing all types of records inside the hosting domain.
- Hands on Experience in the Provisioning the Databases using **RDS**.
- Hands on Experience in Backups and Migration Using **Glacier, S3**.
- Hands on Experiencing in Setting up **launch configurations** and **AutoScaling groups** for EC2.
- Hands on Experience in AWS **CloudFormation** to AWS-Infrastructure Provisioning.
- Hands on Experiencing to create Billing Alarms using **CloudWatch**.
- Working Knowledge on Setting up Monitoring alarms using AWS **CloudWatch**.
- Working Experience in taking Snapshots of the **EBS Volumes**.
- Working Experience in taking **AMI's** for using server backups.
- Working Experience in server's login without key using **SSM**.
- Working Experience in creating **workspaces** by using **Directory Service** and set up **Simple AD**.
- Hands on Experience of Configuration of **Target Groups** and **ELB** (Elastic Load Balancer).
- Hands on Experience on Write playbooks using custom modules in **Ansible**.
- Hands on Experience in Various deployments to Remote Machines by Using **Ansible**.
- Hands on Experience in Automating the Infrastructure of AWS by using Ansible.
- Creating Images and Containers with **Docker**.
- Writing custom Dockerfiles for build.
- Hands on Experience on **Docker-compose**.
- In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
- Extensively worked with Version Control Systems **GIT**.

- Expertise in using build tools like MAVEN and ANT for the building of deployable artifacts such as war & ear from source code.
- Administered and Implemented CI tools **Jenkins** for automated builds.
- Installation and configuration of **Red Hat Enterprise Linux, Ubuntu** and **Centos**.
- **Having good working experience in Managing File Systems and Partitions, Logical Volume Management (LVM), User & Group Administration, Network configuration, Troubleshooting, Managing SELinux, booting procedure & kernel parameters, Job Automation (Cron Job), Administrating Remote System, Enhanced User Security with SUDO, Software Management, Backup & Restore (tar and gzip), Manage Installed Services and Managing Processes.**
- **Having good Experience in configuring and working with FTP, NFS, Samba, DNS, Web, DHCP, Mail Servers.**
- Experience with **Linux/UNIX** environments and scripting for Build & Release automation.
- Experience with Linux commands using creating **Files,Directories,Permissions** to the Particular files,users creations,restriction to the user login, root permissions to the users, creating **Soft Link,Hardlink**.
- Experience with **File & Disk** sharing from Linux to Windows and Linux to Linux .
- Having good knowledge on Bug tracking tool **JIRA**.
- Build application and database servers using AWS EC2 and create AMI's as well as use RDS for Oracle DB. Ability to work closely with teams, in order to ensure high quality and timely delivery of builds and releases.
- Knowledge with log management/monitoring system tools like **Nagios**.
- Strong ability to troubleshoot any issues generated while building, deploying and in production support.
- Good Interpersonal Skills, team-working attitude, takes initiatives and is very proactive in solving problems and providing best solutions.

## SKILL SETS

Amazon Web Services (AWS)	EC2,VPC, S3, RDS, CloudWatch, Cloud Formation, IAM, CloudFront, Route 53, Auto Scaling, SNS, SQS,ELB,EFS,VPCPeering,Transitgateway.
DevOps Tools	Git,Ansible,Docker,Jenkins,Maven & Ant.
Programming/Scripting	Python Basics,Shell Scripting.
Virtualization Tools	AWS-EC2 Cloud ,VMWare.
Version Control Tools	GITHUB
Continuous Integration	Jenkins
Build Tools	Apache Maven , Apache Ant.
Operating Systems	Amazon Linux,Red Hat Enterprise 6&7 V,Centos6 &7 V,UBUNTU 16&18 V,Windows 7&10 V.
Web/Application Servers	Apache Tomcat.
Monitoring Tool	Nagios.

## EDUCATION

Bachelor of Technology from Sreenidhi Institute of Science & Technology(SNIST),JNTUHyderabad.

## PROJECT SUMMARY

### PROJECT:

**Client** : Talentica.

**Role** : DevOps Engineer

**Technology** : AWS,GIT,Ansible,Jenkins,Linux.

**Application Server** : Apache Tomcat.

## RESPONSIBILITIES

- Involved in Architect, build and maintain Highly Available secure multi-zone AWS cloud infrastructure utilizing Ansible with cloudformation and Jenkins for continuous integration.
- Setup and Maintain Cloud Based Infrastructure (AWS)
- Gather Customer requirements and apply the AWS Solutions to the Application
- Implement the Security using VPC, IAM, Security Groups and NACL.
- Communicate with Engineering, Production and QA environments for Coordination
- Contributing in the DevOps team to maintain and build out our Infrastructure and Servers currently operating on AWS Platforms.
- Working closely with the DevOps team to manage CI environments using Jenkins and GIT.
- Responsibility to maintain Source code Repositories using GIT.
- Using Simple Storage Service (S3) for Storing Purposes.
- Responsible for Design of different Release Environments for new projects.
- Implementing new projects builds framework using Jenkins & maven as build framework tools.
- Implementing a Continuous Integration and Continuous Delivery framework using Jenkins, Ansible and Maven in a Linux environment.
- Leveraged Docker Engine to run Multiple Tomcat Instances as Containerized AppServers.
- Maintain Volumes and Virtual hosts using Docker Containers.
- Defining Release Process & Policy for projects earlier in SDLC.
- Worked in Agile environments, good knowledge on agile methodologies.Used Jira as a ticketing tool for performing day to day incidents.
- Responsible for nightly and weekly builds for different modules
- Troubleshoot the build issue during the Jenkins build process.
- Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.
- Very good hands on experience on EC2 like creating and managing instances of all types.
- Worked on S3 bucket like version control, Life cycle management, Cross region replication.
- Hands on experience on VPC like creating own CIDR block, subnets, assigning IP's and launching instances into VPC.
- Administering users, groups and setting up of policies by using IAM.
- Monitoring all cloud services by using Cloud Watch.
- Worked on all kinds of EBS volumes, snapshots and EFS.
- Creating Elastic Load Balancer and attaching instances to that ELB.
- Having very good experience on configuring Auto Scaling groups and setting policies
- Created Partitions, formatting, mounting (Temporary & Permanent), Assigning label to the Partition, Mounting a Partition using Label &blk id(UUID).
- Creating a Swap Partition, encrypting a Partition using LUKS (Linux Unified Key Setup).

- Creating Physical Volumes (PV), Volume Groups (VG), Logical Volumes (LV), Mounting, extending a VG, increasing size of LV, Migrating LV from one PV to another, creating a VG by specifying the Physical Extent (PE) size & Creating an LV by specifying no. of Logical Extents (LE).
- Creating Users, Assigning Passwords, Modifying User Attributes, Locking & Unlocking a user accounts, Changing Password Parameters and Deleting users.
- Creating Groups, modifying properties of Groups and Adding & Removing Members to Groups.
- Define more fine-grained discretionary access rights for files and directories with Access Control List (ACL).
- Network Configurations like Changing Hostnames and Assigning/Changing IP Address.
- Advance Network Configuration include IP Aliasing & NIC Bonding (Failover & Load Balancer).
- Worked experience in SELinux Context, Modes of Linux, Disabling & Enabling the SELinux Security.
- Worked experience in BIOS, MBR, GRUB, Kernel, Init & Run Levels.
- Troubleshooting like recovering the lost password, repairing the corrupted bootloader and recovering it.
- Job Automation by using crontab.
- Remote Shell Access using SSH, Password less login using SSH Key and Remote File Transfer with SCP & RSYNC.
- Enhanced user security with SUDO command.
- Working experience in Software Management by using YUM,RPM & APT-GET commands.
- Backup & Restore by using tar & gzip.
- Managed installed services by using chkconfig & service commands.
- Working experience in Signals in Linux, setting up the Priority of a Process and Monitoring the Process using 'top' command.
- Configured FTP Server for Downloading/Uploading files and allowing Root access to the FTP Server.
- Working Experience in Configuring NFS Server and Auto-mounting the NFS directory.
- Hands-on experience in Configuring SAMBA Server, DNS server, DHCP Server, MAIL Server.

## **DECLARATION**

I, hereby declare that all the statements made above are true, complete and correct to the best of my knowledge and belief.

(Gnaneswar Gandhi K)