Makarapu Krishna Venkata Rajesh　　　　**Email: rajesh.makarapu9@gmail.com**
AWS DevOps Engineer　　　　　　　　　　**Contact: +91 7569102412**

Carrier Objective:

Aspiring for competent role in DevOps area where I can get good learning opportunity as well as contribute to organizations growth.

Professional Summary:

- Having **2.10+ Years** of experience as **AWS DevOps Engineer** with excellent experience in Configuration, Packaging, Building, Automating, managing, and releasing code from one environment to other environment and deploy to servers, support, and maintenance.
- Having Good Experience on Operating systems like Linux RHEL/Centos, Ubuntu.
- Experienced in **shell scripting** using bash to automate the system administration jobs like Disk cleanup, Server Uptime Reports etc.
- Experience in automating build and deployment workflows using **GIT, Maven, Jenkins, Nexus, and Ansible**.
- Extensively worked on version control systems like **GIT**.
- Excellent working knowledge of **MAVEN** build tool.
- Excellent knowledge in creating Jenkins jobs for continuous deployments, setting up distributed builds using master/node, plug-in installation etc. and Worked E2E to create build & deployment pipelines.
- Involved in configuration of **Jenkins Role Based User, E-mail notification, Backup etc**.
- Good experience in writing **Jenkins file** for complete infrastructure CI/CD pipeline.
- Expertise in setting up Jenkins and Integrating with different tools to achieve the CI/CD.
- Good Experience in automating the process of uploading the packages from Jenkins to **Nexus** artifact repository for backup purpose.
- Install and configure Apache Tomcat Web Server and Deploying Application to Tomcat using Jenkins/Deploying war file from Jenkins to **Apache Tomcat Web Server**.
- Experience in writing the **Ansible playbooks** and Inventory Roles to automate the Remote Server using Ansible Inventories.
- Good Knowledge in **AWS** management tools such as (EC2, IAM, AMI,EBS, VPC, Auto Scaling, Load Balancer, EFS, RDS, Route53, AWS Cloud Trail and Trusted Adviser, Amazon S3, AWS-SMS, AWS-SNS and Cloud Watch, CloudFront and Elastic Bean Stack).
- Resolved the issues within SLA which are addressed through ticketing tool **Fresh Service** and shared RCA for critical incidents.
- Experience with monitoring tools like **Nagios and Amazon Cloud watch** to monitor major metrics like Network packets, CPU utilization etc.
- Experienced in building and maintaining **Docker** infrastructure for applications.
- Building customized images as per requirements and can effectively work with docker command line mode.
- Have good hands on **K8S** command line.
- Experience with **MySQL** and can write joins, sub queries, and DML commands like insert, update, delete etc.
- Shared the daily dashboard and reports to internal and external stake holders.
- Provided 24/7 on call support for Installation and configuration.

Technical Skills:

Operating Systems	:	Unix/Linux
CI/CD Tool	:	Jenkins
Version Control	:	GIT
Build Tool	:	Maven
Cloud Technologies	:	AWS (EC2, IAM, AMI, VPC, Auto Scaling, Load Balancer, EFS, EBS, RDS, Route53, AWS Cloud Trail, Trusted Adviser, CloudFront, Amazon S3, AWS-SMS, AWS-SNS and Cloud Watch, Elastic Bean Stack)
Scripting Language	:	Bash/Shell
Configuration Management	:	Ansible
Artifactory Management	:	Nexus
Containerization Tool	:	Docker and K8S
Web Servers	:	Apache Tomcat, Nginx
Tracking Tools	:	Fresh Service, Jira
Data Bases	:	MySQL and Aerospike
Messaging Broker	:	RabbitMQ
Tools	:	WinSCP, Wire Shark, VNC, putty, secure CRT.

Professional Experience:

Organization: Tanla Platforms Limited.
Project Name: FastTrack (A2P SMSC), P2P, ILD Platform.
Client: Vodafone/idea/BSNL/MTNL, Facebook, Twitter and Vodafone (International).
Role: DevOps Engineer.
Duration: March 2018 to Till Date.
Environment: Ansible, Shell Scripting, Git, Maven, Jenkins, Artifactory Nexus, Apache Tomcat, Fresh Service, and AWS (EC2, VPC, S3, Route53, ELB, Auto Scaling, Cloud Watch, load balancer).
Description: -
Tanla Platforms Limited is a product-based company, this product developed for VODAFONE. The main objective is to process messages from Application to person(A2P). We receive bulk of message from the different Enterprises throughout India and as per the regulation of TRAI, every message terminating to India has to be monitored and validated based on the type of message (like Trans, Promo, OTP) and regulation of the content to be Filtered then delivered to the end user.

Roles & Responsibilities:

- Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS) and automated taking backup of EBS snapshots using EBS life cycle.
- Expertise in configuring Virtual Private Cloud (VPC) with subnets, NAT and IGW gateways, security groups, VPC End Points.
- Creating VPC peering connection for the capability teams on demand between different VPC
- Implementing ELB and Auto scaling for EC2 instances for providing high availability and fault tolerance.

- Having good knowledge on Amazon S3 like CRR (cross region replication), Versioning, S3 life cycle rule, AWS policy simulator, and S3 command line.
- Integrated RDS(MySQL), and automated syncing application logs to Amazon S3 every day.
- Configured Elastic Bean Stack (PaaS) for testing web applications.
- Created AWS-SNS and Cloud Watch for monitoring AWS resources.
- Creating/Managing DNS records on Amazon Route 53.
- Configuring AWS-System Manager Service for automating complex and repetitive tasks like installations, configuration changes etc. across large group of instances.
- Maintaining the source code in GIT & Artifactory Nexus for various applications.
- Working on source code management, branch creation & repositories management using Git.
- Hands on building java projects using maven and can write automation build scripts (Bash).
- Implemented the setup for Master slave architecture in Jenkins.
- Worked on Jenkins by installing, Configuring, and maintaining for continuous integration and End to End automation.
- Integrated Maven with Jenkins and nexus for the builds as the Continuous Integration process.
- Responsible for creating the Jenkins declarative pipelines for the Jenkins job automation.
- Deployed war files to Tomcat webserver from Jenkins.
- Monitoring the Jenkins jobs and providing logs on failure occurrences.
- Worked with Ansible AD-HOC commands, Modules, Role, Tasks and Playbooks.
- Worked on k8s cluster setup both on cloud and on-premises (single and multi-node).
- Have good hands-on Kubernetes command line mode.
- Worked on Azure log analytics and pod level as well to debug the issues.
- Enabled HTTPS feature for the Nginx in Azure Kubernetes Service.
- Can manage multiple AKS clusters with different operations like version upgradations, increasing k8s outbound IP's and deployment changes in different environments etc.
- Writing MySQL queries for getting data from DB as per the requirement (DML and joins).
- Integrated on-premises Kubernetes cluster log analytics with azure portal.
- Alerts configurations using log analytics in azure to monitor pod level logs.
- Got hands-on few azure components as well (Log analytics, AKS, Traffic Manager, App Gateway).
- Monitoring server health checks like uptime, disk usage, services status etc. by using Nagios.

Educational Qualification:

Qualification	University/Board	Percentage
B. Tech (ECE)	JNTUK	75.60%
XII	AP Board	91.50%
X	AP Board	80.00%

Declaration:

    I hereby assure you that the above information is true to the best of my knowledge and if given an opportunity, I will prove to be worthy of your confidence.

Makarapu Krishna Venkata Rajesh