**Name: TARUNOJU SRAVAN KUMAR**

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**Professional Summary:**

* Having around **3.7 years of experience** as a **DevOps** and **AWS Cloud** engineer, Support and Maintenance in environments like RedHat Enterprise Linux, Centos and focus on DevOps tools and AWS Cloud Architecture.
* Experience in working on AWS and its services like **IAM, VPC, EC2, EBS, S3, ELB, Auto Scaling, Route 53, CloudWatch, SNS, LAMDA** create custom sized VPC**,** subnets**,** NAT**,** and Security groups.
* Designed highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balancer and AMIs.
* Establishing connectivity to AWS Resources in another **VPC** in another region using AWS VPC Peering.
* Configured **S3 buckets** with various life cycle policies to archive the infrequently accessed data to Storage classes based on requirement.
* Creating alarms in **Cloud Watch** service for monitoring the server performance, CPU Utilization, disk usage.
* Used Amazon **RDS** to create snapshot and automate backup of database.
* Experience on DevOps essential tools like **Ansible**, **Docker**, **Kubernetes,** **GIT**, **Jenkins**, **Maven** to AWS and Managed Services like EC2, S3, Route53, ELB, EBS.
* Good Hands-on experience in creating Jenkins jobs, plug-in installations, setting up distributed builds using master/slave concepts.
* Automated deployment of builds to different environments using Jenkins.
* Automate Deployment using configuration Management tool like **Ansible** to Continuous Deployments.
* Experienced in using Build Automation scripting like **Maven** as build tools for building of deployable artifacts (JAR, WAR) from source code.
* Worked on Provisioning of AWS instances using **Terraform** and User data.
* Experience in using **Tomcat** and Apache web servers for deployments.
* Experience in **Docker** like creating Docker images, containers, Docker files, tagging and publishing to Docker Hub.
* Writing Dockerfile to create customized docker images
* Setting up Kubernetes using EKS, KOPS and Kubeadm.
* Writing manifest files to create **deployments** and **services** for micro service applications.
* Configuring Persistent volumes (PVs), PVCs for persistent database environments.
* Worked on demonsets, configMaps, Secretes, etc.

**Work Experience:**

* Working as DevOps Engineer in **Zensar Technology** Bangalore **(I-SOURCE INFOSYSTEMS PVT.LTD)** India, from Jan 2017 to till.

**Technical/ Functional Summary:**

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| **Operating systems** | RHEL6.7, ubuntu, Centos |
| **Version Control Tools** | GIT |
| **CI/CD tools** | Jenkins |
| **Provisioning tool** | Terraform |
| **Configuration Management Tools** | Ansible |
| **Containerization Tool** | Docker, Kubernetes |
| **Scripting languages** | Bash Shell Scripting |
| **Application server** | Apache Tomcat |
| **Build Tools** | Maven |
| **Cloud Platform** | Amazon Web Services: Elastic Compute Cloud(EC2), Simple Storage Services (S3), Route 53, Cloud Front, Virtual Private Cloud(VPC), Elastic Load Balancer(ELB), Auto-Scaling, IAM Roles, Users, Profiles, Elastic IP’s |

**Projects Summary:**

**Project #1:**

**Project Name :** **Balboa Insurance**

**Client Name :** Balboa Insurance company (USA)

**Role :** DevOps Engineer

**Environment :** AWS, Linux, Git, Jenkins, Ansible, Terraform, Docker, Kubernetes.

**Roles & Responsibilities:**

* Used **Git** Hub repository to run **Jenkins** job for Continuous Integration.
* Installing and Configuring Jenkins, installing plug-in, configuring security, creating a master and slaves for implementation of multiple parallel builds.
* Designed and documented CI/CD tools configuration management.
* Managing the working environments through configuration management tool **Ansible.**
* Working on **Ansible Playbooks** to bring the required infrastructure changes.
* Automated deployment of builds to different environments using **Jenkins**.
* Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker images to the Nexus repository.
* Experience in **Docker** like creating Docker images, containers, Docker files, tagging and pushing to Docker Hub.
* Created and managed multiple containers using **Kubernetes**. And creating deployments using Yaml code.
* Performing the regular tasks that include cloning, pulling the repositories, branching and merging.
* Responsible for creating Artifacts using **Maven** and deploying those artifacts into **Tomcat Server**.
* Setting up **EC2 instances** and prerequisites on the instances for deploying the applications.
* Designing and deploying **AWS** solutions using EC2, S3, Elastic Load balancer (ELB), auto scaling groups.
* Provisioning of AWS instances using **Terraform** and creating modules to create infrastructure of aws.
* Experienced on writing JSON code for creating infrastructure.
* Experienced in creating multiple **VPC**'s, public, private subnets as per requirement and established connectivity to AWS Resources in another VPC in another region using **AWS VPC** Peering.
* Used security groups, network **ACL**'s, internet gateways and route tables to ensure a secure zone for organization.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and configuring launched instances with respect to specific applications.
* Defined **AWS Security Groups** which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
* Creating **S3 buckets** and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Used **Cloud Watch** to set alarms for notifications or automated actions, and to monitor logs for a better understanding and operation of the system.
* Strong working knowledge on **GIT**.
* Installed and configured **Nexus** repository manager for sharing artifacts between internal teams.
* Used Maven dependency management system to deploy SNAPSHOT and RELEASE artifacts to **Nexus** to share artifacts across projects.
* Configured and managed Git plugins in **Jenkins** server.
* Responsible for configuring the slave nodes in **Jenkins.**

**Educational Qualification:**

M.Tech (computer science of engineering) in 2014 With 73.5% From Nagole College of Engineering and Technology