**K.Shiva Kumar Mail ID:**[**k.shivakumar8545@gmail.com**](mailto:k.shivakumar8545@gmail.com)

**Mobile: +91 9573511215.**

# **Professional Summary:**

Looking for career advancement with an experience 3+years of Administration in Linux Implementing Organization Amazon Web Services (AWS) and DevOps Engineer strategy.

# **Technical Skills on AWS and DevOps:**

* Complete hands on experience on dealing with git branching, merging branches, switching branches and resolve merge conflicts.
* Good understanding between git reset and git revert and also cleaning git repository, git merge, git cherry pic, ignoring git files and git stash.
* Good hands on experience in working with GitHub
* Good understanding of architecture of maven.
* Good understanding of maven's main configuration file POM.XML
* Good understanding of architecture of Gradle
* Complete understanding of Jenkins complete workflow as well as its advantages over other CI/CD tools.
* Having knowledge on Jenkins Pipeline Script(groovy)
* Having very good knowledge with respect to EC2s like launching windows and Linux machines and all five types of Elastic Block store (EBS) volumes and their differences.
* Launched the load balancer and attached to webservers to distribute traffic as well as to check the health of EC2 instances to make sure that they are always up and running.
* Used Auto Scaling to provide high availability to EC2 machines and effectively used scaling policies based on web traffic.
* Hands on experience in creating Snapshots to take back up copy of our EBS volumes.
* Created AMIs and Volumes and played with them like attaching, detaching, creating own AMIs for replication of same environment in same/different Availability Zones as well as same/different regions.
* Migrated and stored all kinds of object storage of my organization in to S3 bucket to provide durability and security.
* Enabled versioning on some important data to provide security from accidental deletion and to roll back to previous versions.
* Enabled CRR (Cross Region Replication) to replicate data to other buckets which are present in different regions.
* Launched static web sites for testing purpose by using S3 static website hosting option instead of going always with EC2s, Load balancers and Auto Scaling.
* Complete hands on experience in managing IAM service to administer AWS resources effectively
* Well aware of all kinds of policies which are provided by AWS and their usage.
* Good hands on experience in working with Cloud Front to access the webpage without any network latency through AWS globally distributed edge locations/end points.
* Complete hands on experience in managing IAM service to administer AWS resources effectively
* Used roles mainly to establish password less connection between S3 and EC2.
* Good understanding of docker, its components and docker work flow.
* Having very good hands on experience in using all kinds of docker instructions in docker file.
* Good knowledge in pulling and pushing docker images to docker hub.
* Having good hands on Docker swarm and docker compose.
* Basic knowledge in Kubernetes architecture and k8s cluster and deploying a service into K8s.
* Good complete hands on experience of using Ansible roles by including all sections inside ansible playbook.
* Good knowledge on deploying application and clustering b/w Master and Nodes.
* Hands on experience in working with cloud watch to monitor all AWS services to maintain high availability and reduce downtime.
* Good knowledge in effective usage of all metrics which are being provided by AWS.
* Good knowledge in Route53 to perform Domain registration, DNS routing.
* Enabled VPC Flow logs for the auditing purpose to track incoming and outbound traffic to and from VPC.

# **Technical Skills:**

|  |  |
| --- | --- |
| **Cloud Services** | AWS EC2, EBS, S3, ELB, Auto scaling, VPC, Route53, CloudWatch, SQS, SNS, RDS |
| **Version Control System** | GITHUB, GIT |
| **Server** | Apache, Tomcat, Nginx |
| **Build Tools** | Ant, Maven, Gradle |
| **Tracking/Monitoring** | CloudWatch, |
| **CI/CD Tools** | Jenkins |
| **Configuration Management Tools** | Ansible |
| **Container Technologies** | Docker |
| **Operating System** | Windows, Linux |

# **Technical Skills on Linux :**

* Installation and configuration of Red Hat Enterprise Linux, Ubuntu and Centos.
* Having good working experience in Managing File Systems and Partitions, User & Group Administration, Troubleshooting, booting procedure, Job Automation (Cron Job), Administrating Remote System, Enhanced User Security with SUDO, Backup & Restore (tar and gzip), Manage Installed Services

# **Employment Summary:**

* Working as **AWS & DevOps Engineer** at **RIOSOFT TECHNOLOGIES PVT LTD,** Hyderabad from Feb 2019 to till date.
* Worked as **Linux System Administrator** at **RIOSOFT TECHNOLOGIES PVT LTD,** Hyderabad from Dec 2017 to Jan 2019.

# **Education:**

* B.Tech (Bachelor’s Degree) from JNTUH University in 2017

# **Project#2**

**Client : RIOSOFT TECHNOLOGIES PVT LTD**

**Designation** : AWS & DevOps Engineer

**Roles & Responsibilities:**

* Created and maintained several build definitions and publish profiles to handle automated builds in an Agile/SCRUM environment.
* Used AWS to setup application and web servers
* Used EC2 to setup servers and Installed Jenkins
* Used S3 buckets for storage and archival.
* Version control tool administration: set up git server, creating new repositories, adding new user to the repositories, creation of new version controlled branches, trouble shooting version control tool errors.
* Created Branching, Tagging of code delivery at required releases.
* Checking Git logs & Resolving Git conflicts issues
* Gradle used as build tool to build a source code.
* Creating War/Jar files using Gradle, Continuous integration using Jenkins
* Supported product release management and patch set release.
* Experience in setting up Jenkins from scratch and maintaining it.
* Creating jobs using Jenkins. Manage installations of node, deployment configuration.
* Released builds to complete testing and review, Continuous integration using Jenkins.
* Setup and configuring jobs in continuous integration tool Hudson for project builds.
* Configuring the "crontab" build and deployment.
* Performed Continuous Build and deployments to multiple environments like Dev, QA, and Staging.
* Providing solutions to developers for check-ins, checkouts, build failure related issues.
* Deploy the War files in Apache Tomcat server.
* Interacting with developers to sort out issues related to Build Automation.
* Configuring Docker Containers and Creating Docker files for different environments.
* Created Docker images using Docker files to support Containerization of applications.
* Deployed various applications through Docker containers.
* Taking care of deployments using Docker and Ansible.
* Setting up and working with Ansible.
* Hands on experience in writing Playbooks.
* Having good experience in YAML.
* Working experience in using Ansible Ad-Hoc commands, Modules.
* Hands on experience in working with Roles in Ansible.
* Installed Ansible and done a cluster configuration between Ansible Master to node.
* Coordinate with development/testing team.

# **Project#1**

**Client** : **RIOSOFT TECHNOLOGIES PVT LTD**

**Designation** : Linux System Administrator

**Roles & Responsibilities:**

* Providing L1 support for Linux Servers.
* Working as a Team member and providing support to clients.
* Checking logs related to upgrade.
* Attending weekly and monthly meeting.
* Providing day-to-day user administration like adding or deleting users, password aging.
* Maintaining Patches and Packages to keep the servers up to date with latest OS versions.
* Provided 24/7 support on-call basis in emergencies and whenever necessary.
* Managing Software installations using YUM, RPM , APT installation.
* Scheduling Automatic Jobs through crontab.
* Providing support to the employees both software and hardware wise.
* Installation of Linux operating systems on Hardware and Virtual environment
* Creating and Managing Users / Group accounts on local OS accounts.
* Implementation of Security by using ACL and Special Permissions.
* Working on CPU utilization, memory utilization issues etc.
* Controlling system processes by using iostat, kill, vmstat commands..
* Backup and Restore the server data using zip and tar.
* Creating the Partitions and Format Partitions..

I hereby declare that the information furnished by me in the above document is correct and accurate to the best of my knowledge.

**Place: Signature**

**Date: k.shiva kumar**