

M. Srinivasula Reddy

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PROFESSIONAL SUMMARY:

- More than 5.5 years of experience in IT and Cloud Computing, Kubernetes Implementations, DevOps solutions, Cloud Implementations, and scalable microservices. Proven ability to solve complex problems with limited resources, on time, and within budget. Retained critical clients in high-pressure and politically charged situations by identifying and creating unique solutions, thereby maintaining revenue. An industry-leading blend of cutting-edge Kubernetes Deployments, Cloud Technologies, and system integration. Good expertise on AWS, Ansible, Dockers, Kubernetes, Terraform, and DevOps tools.

TECHNICAL SKILLS SUMMARY:

<ul style="list-style-type: none">✓ Cloud service/e platform: AWS✓ Managing IT infrastructure✓ Server Hosting & Virtualization - VMware ESX/ESXi 6.x✓ VCenter 6.x, 4.0 and 5.0✓ VMware VCenter Converter✓ Jenkins✓ Kubernetes✓ Nagios✓ ELK	<ul style="list-style-type: none">✓ Managing Domain Controller (AD Services)✓ Windows 2012&7 and Redhat 7, ubuntu✓ Adminstrating DHCP, DNS✓ Ansible✓ Maven, ANT✓ Git, Github✓ Sonarqube✓ Dockers✓ Prometheus
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WORK EXPERIENCE:

- Currently working as DevOps Engineer in Sonata Software, Pvt Ltd Hyderabad Since July 2019 to date.
- Worked as a System Administrator with ValueLabs in Hyderabad from Jan 2016 to June 2019.

Dockers:

- ✓ Development/deployment and monitoring of new Dockerized infrastructure
- ✓ Docker support for Go/NodeJS/Python development team
- ✓ Good Expertise on Docker machine, Docker Swarm, Docker Compose
- ✓ Developed Images using Docker files and Deployed containers using Docker compose
- ✓ Good Expertise in creating docker machines on Aws, Azure, and Virtual box
- ✓ Hands-on Experience in Docker Swarms and Docker stack deployments
- ✓ Created multiple containers using Docker Compose and Stacks
- ✓ Good exposure towards creating private registries
- ✓ Integrated Docker with Jenkins for docker images creation and pushing to Dockerhub
- ✓ Created Multistage Dockerfile for Microservices

Kubernetes:

- ✓ Implementation of RBAC for Kubernetes Clusters
- ✓ Created Kubernetes Environment
- ✓ Good expertise on Helm charts to deploy Kubernetes resources
- ✓ Good knowledge of Aws EKS
- ✓ Created Persistent Volumes and Statefulsets
- ✓ Deployed application into Kubernetes environment and Loadbalance also performed using Ingress
- ✓ Deployment: Kubernetes, Bluegreen, and Canary Deployments
- ✓ Configured Istio and Ingress controllers
- ✓ Monitoring Kubernetes Deployments
- ✓ Created Kubernetes through Kubespray and Kops
- ✓ Integration of Kubernetes with Jenkins for helm deployments
- ✓ Good exposure towards etc backup and restore

AWS RESPONSIBILITIES:

- ✓ Designed cloud solutions for customers leveraging services including, but not limited to, VPC, EC2, S3, RDS, Route53, CloudFormation, Lambda, CloudWatch, and SNS.
- ✓ Good Expertise in VPC, ELB, S3 Buckets, Route 53
- ✓ Automated deployment of customer environments using complex CloudFormation stacks to create assets in IAM, VPC, EC2, Route53, CloudTrail, Lambda, etc. while protecting business-critical assets from deletion via Stack Policies.
- ✓ Good Exposure to AWS Workspace.
- ✓ Monitored AWS Infra Through Cloudwatch
- ✓ Automated AWS services by cloud formation and Terraform
- ✓ Hands-on Expertise in RDS, Lambda, Beanstalk
- ✓ Automated deployment of products including, but not limited to, OpenVPN, Duo MFA, Cherwell, and several Windows Roles and Features using CloudFormation.
- ✓ Automated repeatable processes and increased functionality by engineering Lambda functions that leveraged components including, but not limited to, S3, SNS, and CloudWatch.
- ✓ Assisted in strict separation of permissions to the least-privilege model using IAM roles and policies both within and across AWS accounts.
- ✓ Aided in design and construction of hybrid cloud environment spanning vSphere 5, Amazon Web Services, and Microsoft Azure for hosting client servers and services.
- ✓ Understand client requirements, propose solutions and ensure delivery.
- ✓ Bundle Instances - EBS & Instance store-based, Snapshot of EBS.
- ✓ Experience in designing and developing comprehensive Cloud Computing solutions on the AWS platform.
- ✓ Experience with EC2 Auto Scaling, EBS, S3, ELB, RDS, CloudFront, Cloud Watch Elasticache,

DynamoDB, and other AWS Services.

- ✓ AWS monitoring, queuing & notification.
- ✓ Architecture design with scalability and performance as a primary objective.
- ✓ Implementing AWS Infrastructure services (IAAS) like EC2, VPC, ELB, EBS, S3, SES, RDS, and CloudFront.
- ✓ Knowledge of Cloud Computing Architectures, Networking Topologies, and Clustering techniques.
- ✓ Setting up a new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IPs.
- ✓ Monitoring health of Amazon EC2 instances and other AWS services.
- ✓ User management e.g. creating and managing users in Redshift, S3, etc.
- ✓ Help customers build scalable, resilient, and high-performance applications and services on AWS.
- ✓ Designing Auto scaling architectures for applications.
- ✓ Develop/capture/document architectural best practices for building systems on AWS.
- ✓ Custom monitoring metrics/analysis/alarms via CloudWatch.
- ✓ Configuring security groups and grouping the servers depending on the applications.
- ✓ Enabling and disabling of inbound and outbound ports of security groups using AWS GUI.
- ✓ Managing snapshots of Amazon EBS volumes or images of EBS backed EC2 instances manage backup sets with retention handling, or create snapshots and images (AMIs).
- ✓ Backup and restore of Aws Resources

Ansible & JENKINS

- Automated deployments for 200+ cloud servers using Python and Bash.
- Good Exposure on Ansible, Jenkins, Dockers, Maven.
- CI and CD Integration using Jenkins and Ansible
- Maintain build profiles in Team Foundation Server and Jenkins for CI/CD pipeline.
- Spearheaded migration from Puppet environment to Dockers-based service architecture.
- Worked in Complex configuration management using playbooks and Vaults
- Configuration Management using Ansible to set up the environment
- Integrated Jenkins with sonarqube nexus
- Executed playbooks of ansible from Jenkins
- Created Ansible roles for tomcat and MySQL

Job Roles as VMware administrator:

- ✓ Configured & Deployed ESX/ESXi server incorporates production environment.
- ✓ Implementation of VSphere, users, and groups management.
- ✓ Perform system troubleshooting, performance tuning, and capacity planning.
- ✓ Use VSphere Vcenter Server to monitor virtual machine resource usage.

- ✓ Use VMware VSphere Vcenter Update Manager to apply patches to virtual machines and also Virtual Private Networking (VPN) tools and techniques to maintain these VM's
- ✓ Managed ESX and ESXi systems through VSphere VMA for running scripts and agents
- ✓ Involved in P2V, V2V Migration as per client Requirement.
- ✓ Installing and Maintaining Vcenter Servers
- ✓ Taking regular backup of Vcenter Server machine
- ✓ Creating Resource Pools and Setting limits on CPU and RAM
- ✓ Delegating permissions on Resource Pools to users using Access Controls

Linux Administrator Roles:

- ✓ Installation and maintenance of Windows and Linux-based systems within a client's digital environment.
- ✓ Evaluates industry trends, standards, and new technologies to recommend the change (i.e., evaluate and integrate new OS versions, drivers, and hardware.
- ✓ Troubleshooting Oracle and SAP applications on Linux
- ✓ Configuring Linux Firewall, Transparent Squid server, DHCP, DNS on Centos Server for more than 100 clients.
- ✓ Installing and Maintain MAC OS X 10.9 Mavericks on Desktop Machines
- ✓ Set up & Manage secure Virtual Private Network (site to site) between Regional and Head Office
- ✓ Designs and implements LAN/WAN using switching and router technology.
- ✓ Providing advice on selection and purchase of IT equipment.

EDUCATIONAL QUALIFICATION:

- **B.Tech (ECE) from Gokula Krishna College of Engineering Sullurpet, JNTUA in 2015 (72%)**
- **Intermediate (MPC) from Sri Chaitanya junior college, Nellore Intermediate board in 2011 (93%)**
- **SSC from Z.P. High school, Dakkili in 2009 (88%).**