**Sridhar**

**(201) 877-9095**

**Professional Summary**

Overall 8+ years of experience in Technology domains with specialization in Ansible, AWS, DevOps & System Administration. Extensive experience in Cloud Implementation, Infrastructure automation, Continuous Integration, Containerization, Build, Version Control, Software Configuration Management, Issue Tracking, Quality assurance and Deploy/Release Management. Expertise on DevOps Principles with maintaining Continuous Integration, Continuous Delivery and Continuous Deployment in multiple environments.

Expertise in administering and automating operations across multiple platforms (UNIX, Linux, Centos, Ubuntu, Windows, and mac.

* Lead a team where we had to deliver some requirements from the client side and successfully fulfilled them. Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, scrum, and Waterfall methodologies.
* Hands on experience on Ansible as Configuration management tool to automate repetitive tasks, quickly deploys critical applications, proactively manages changes.
* Handled hundreds of servers simultaneously for rotating passwords and configuration management through ansible playbooks. Managed environments Dev, QA, Sandbox and PROD for various releases and designed instance strategies.
* Coordinate and manage the rollout of new builds and product updates including all the associated change management through a supervised continuous integration process.
* Managed Docker orchestration and docker containerization using Kubernetes and created dashboards as per the cluster.
* Hands on experience in AWS services like EC2, S3, RDS, SQS, EBS, VPC, Cloud watch, Cloud Trail.
* Production experience in large environments using configuration management tools Chef, Ansible and Puppet. Extensively Implemented Continuous Integration and deployment using various Continuous Integration tools like Jenkins.
* Expertise in creating DevOps strategy in a various distribution of LINUX and Windows alongside using DevOps tools suites like Subversion (SVN), GIT, Maven, Jenkins, Chef, Puppet, Docker, Kubernetes, in traditional environments, as well as cloud-pass environment like AWS.
* Extensively performed operations to be specific branching, tagging, merging and so on. Likewise, in charge of migrating SVN repositories to GIT.
* Extensive experience and highly proficient in using writing scripts in ANT and Maven for build management and Jenkins for managing CI/CD pipeline.
* Deploying, managing, and operating scalable, highly available, and fault tolerant systems on AWS, which includes services: EC2, S3, EBS, VPC, ELB, Route 53, Auto Scaling, Security Groups, RDS, OpsWorks and Cloud Formation. Experience with containerization of applications using Docker. Working Knowledge on Virtualization technologies like VMware, Vagrant.

Education Details: Bachelor’s in information technology JNTU K 2009-2013

Masters in information technology, Johnson and Wales University 2016

Skills

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| AWS  GCP | EC2, VPC, EBS, AMI, SNS, RDS, EBS, Elastic search, Cloud Watch, Cloud Formation, Cloud-Pass, Cloud Trail, IAM  EC2, S3, ELB, RDS, SQS, EBS, VPC, RDS, Cloud Watch, Cloud trail. |
| CM/CI, Build tools | Chef, Ansible, Jenkins, MAVEN |
| Continuous Deployment | Nexus, J |
| Databases | MySQL, Dynamo DB, Snowflake, MS SQL, MangoDB |
| Operating systems | CentOS, Ubuntu, Windows |
| Visualization | Docker, Kubernetes, AWS ECS |
| Monitor Tools | Nagios, Cloud Watch, Splunk, Pagerduty, Kibana |
| Programming Languages | Ansible, Python, Shell Scripting, .NET, |

**Recent Work Experience**

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| **MGM Resorts**  **Devops/Cloud Engineer** | **Jan 2023 – Present** |

* Implemented Infrastructure as Code (IaC) principles using TFE (Terraform Enterprise) for Azure DevOps, enabling version-controlled and reproducible infrastructure configurations.
* Collaborated with cross-functional teams to gather requirements, design solutions, and implement best practices for Azure DevOps infrastructure and processes.
* Excellent communication skills, with the ability to articulate complex technical concepts to both technical and non-technical stakeholders.
* Designed and implemented Ansible playbooks, roles, and tasks for automating infrastructure provisioning, configuration management, and application deployments.
* Managed Ansible configurations using dynamic inventory, vault, and template modules.
* Implemented Kubernetes manifests, Helm Charts for deployment of micro services into K8 clusters.
* Configured Azure Devops Pipelines to deploy microservices architecture applications into Kubernetes clusters, Using Azure Kubernetes Service (AKS) and Helm charts to achieve seamless deployments.
* Strong documentation skills, including creating technical documentation, architectural diagrams, and standard operating procedures for Azure DevOps infrastructure and workflows.
* Created and managed inventories, job templates, workflows, and schedules in Ansible Tower.
* Configured and managed Ansible Tower users, teams, and permissions to ensure secure and controlled access.
* Implemented Ansible Tower features such as survey forms, notifications, and version control integration to enhance automation workflows.
* Implemented best security practices and ensuring compliance with relevant industry standards and regulations for Azure DevOps infrastructure.
* Demonstrated ability to work in fast-paced environments, manage multiple priorities, and deliver high-quality results within tight deadlines in Azure DevOps engineering projects.
* Proficient in utilizing AWS suites of CI/CD services, including CodeCommit, CodeBuild, CodeDeploy, and CodePipeline, for building, testing, and deploying Azure DevOps applications on AWS.
* Worked in architecting and implementing highly available and fault-tolerant Azure DevOps solutions, ensuring business continuity and disaster recovery.
* Worked on utilizing Splunk for log management, monitoring, and troubleshooting Azure DevOps infrastructure, ensuring system reliability and performance optimization.
* Set up and maintained Jenkins CI/CD pipelines, automating build, test, and deployment processes for Azure DevOps applications and infrastructure.
* In-depth knowledge of Python scripting for Azure DevOps automation, enabling streamlined operations and process optimization.
* Experienced in implementing Puppet for configuration management, ensuring consistent and scalable deployments across Azure DevOps infrastructure.
* Proficient in utilizing Ansible for automating infrastructure provisioning, deployment, and orchestration tasks in Azure DevOps environments.

**Environment:** Linux, Subversion, , Maven, GIT, Azure , VMware, Autoscaling, Glacier, RDS, ELB, AMI, ECS, WebLogic, Jenkins, Python script, Perl script, Bugzilla, Nagios, Puppet, Chef, Docker, JSON**.**

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| **IBM, Dallas, TX**  **Devops/Cloud Engineer** | **Jan 2020- Dec 2022** |

* Developed Ansible playbooks and modules. Administered Ansible infrastructure, performed maintenance and configuration and provided SME level support.
* Developed and managed consistent and coherent DevOps processes and practices to support software development, testing, builds and deployment
* Developed, configured, and administered DevOps and IT automation solutions. Experience in Automatic creation of multiple JIRA tasks using Jira module through ansible playbooks and involved in developing ansible playbooks using python modules and ansible modules on Linux environment.
* Written ansible script to resolve thousands of False Positive tickets using automation. Experience in managing Ansible Playbooks with Ansible roles and in Automatic creation of multiple JIRA tasks using Jira module through ansible playbooks
* Proficient with container systems like Docker and container orchestrations like EC2 container service, Kubernetes.
* Installed and configured Confluence to document development and change management procedures.
* Automated infrastructure provisioning and configuration management using Ansible, resulting in reduced manual effort and increased efficiency.
* Implemented infrastructure-as-code practices by defining infrastructure configurations as Ansible playbooks, enabling reproducibility and scalability.
* Configured and managed complex multi-tier application deployments using Ansible, ensuring consistency across environments and reducing deployment time.
* Performed necessary system maintenance according to Redhat best practices and company change management policies.
* Used Kubernetes to Orchestrate the deployment, scaling and management of Docker containers.
* Developed Ansible artefacts, done troubleshooting the issues and worked on implementing configuration management.
* Provided technical support to IT ops around automation solution usage.
* Worked on generalizing the ops playbooks and converted perl scripts to ansible playbooks for other environments and better purpose for automation.
* Worked on Communicating on relevant performance metrics to highlight success or failure of key initiatives. Worked closely with them in the change management phase
* Laid foundation for ansible tower right from POC to the end level support.
* Experience in working around ansible related things including ansible roles, ansible vault, ansible collections.
* Created Docker images using a Docker file, worked on Docker container snapshots, removing images, and managing Docker volumes.
* Worked with OpenShift platform in managing Docker containers and Kubernetes Clusters.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.
* Created the AWS VPC network for the Installed Instances and configured the Security Groups and Elastic IP's accordingly.
* Worked in the AWS environment on exposure with vulnerability scanning tools such as sonaqube with

Vulenrabilty assessment and reporting including comprehensive understanding of procedures and other scanning solutions.

* Built and deployed Docker containers to break up monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed.
* Used AWS EC2 as virtual servers to host GIT, Jenkins, and configuration management tool like Ansible. Converted slow and manual procedures to dynamic API generated procedures.
* Worked on various AWSe services based on automation Terraform, Ansible, Python and bash scripts.
* Designed and implemented CI system, configuring Jenkins servers, nodes with required perl and python scripts.
* Implemented Cloud Trail to capture the events related to API calls made to AWS infrastructure.
* Implemented Continuous Integration and Continuous Delivery (CI & CD) Process stack using AWS, GITHUB/GIT, Docker, Jenkins and Ansible.
* Worked on developing Python and shell scripts for automation of build and release process.
* Good expertise in designing, implementing and modifying the python code.
* Used ansible playbooks to setup CI/CD pipelines and deployed micro services.
* Embraced continuous integration and continuous delivery (CI/CD) processes. Installed and configure software, both commercial packages and various open-source packages.
* Designed GIT branching strategies, merging per the needs of release frequency by implementing GIT flow workflow on Bit bucket.
* Used Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Automated NetApp solutions to deliver flexible, scalable, and highly reliable storage deployment and management solutions for NetApp ONTAP, Element and E-Series storage systems.

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| **AT&T, Plano, TX**  **Devops/AWS Engineer** | **Sep 2018 – Dec 2019** |

* Created the AWS VPC network for the Installed Instances and configured the Security Groups.
* Automated updating and maintenance process in production environment using Ruby and python scripts.
* Experienced in creating multiple VPC’s and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
* Actively managed, improved, and monitored cloud infrastructure on AWS including backups, patches, and scaling
* Set up and maintaining Linux servers (CentOS, RedHat, Amazon), services and applications (NGINX, MongoDB, Elastic Beanstalk, EC2, VPC)
* Responsible for creating a solution to capture and analyze data from multiple sources and make data-driven decisions.
* Created and maintained fully automated CI/CD pipelines for code deployment using Octopus Deploy and PowerShell.
* Created snapshots to take backups of the volumes and also images to store launch configurations of the virtual machine instances.
* Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments
* Experienced in creating multiple VPC’s and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
* Other advantages include exposure to Microservices design/implementation, API Management, Container technologies, Serverless, NOSQL, Caching, Messaging, Kinesis.
* Automated Operations manual tasks by developing right modules with CLIs and APIs.
* Actively managed, improved, and monitored cloud infrastructure on AWS, EC2, S3, and RDS, including backups, patches, and scaling
* Proficient in AWS services like VPC, EC2, S3, ELB, Auto Scaling Groups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.

**Environment:** AWS-EC2, Route 53, S3, IAM, Cloud front, VPC, EMR, SQS, Auto scaling, ELB, Linux, python, Jira, chef, Ansible, Docker, Selenium, Java/J2ee, NFS, DNS, Jenkins, Maven, GIT, Splunk, SonarQube, Ruby script, Apache, VMware.

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| **Turner Broadcasting, New York**  **Devops/Cloud Engineer** | **July 2017 – Aug 2018** |

* Built and maintained docker and Kubernetes container clusters managed by Kubernetes Linux, GIT, Docker on GCP.
* Implemented Continuous Integration and Continuous Delivery (CI & CD) Process stack using AWS, GITHUB/GIT, Docker, Jenkins and Ansible.
* Managed daily builds and releases to QA. Debugged build failures and worked with developers and QA personnel to resolve related issues.
* Gathering Information from the Clients and providing consultation by performing POC’s and setup the Build/Deployment and Release Management.
* Architected High Availability applications on AWS using Availability Zones and Availability Regions.
* Performance Tuning, Capacity planning for the AWS environments.
* Implement System Monitoring and Alerts using AWS Cloud Watch.
* Configured Elastic Load Balancers with EC2 Auto scaling groups.
* Had experience working with logs and intensive usage of REST Services to provision and maintainaccounts.
* Build and configure a virtual data center in the Amazon Web Services cloud-paas to support Enterprise Data Warehouse hosting including Virtual Private Cloud (VPC), Public and Private Subnets, Security Groups, Route Tables, Elastic Load Balancer.
* Used Apache Tomcat as application server for deploying the artifacts.
* Refined automation components with scripting and configuration management ansible.
* Monitored RDS instances and Elastic Load Balancer for performance and availability.
* Automated updating and maintenance process in production environment using Ruby and python scripts.
* Used Ansible for configuration management of hosted instances within GCP and configured networking of VPC’s.
* Extensive experience in Windows AWS(IaaS) migrating like creating AWS VMs, storage accounts, VHDs, storage pools, migrating on premise servers.
* Experienced with deployments, Maintenance and troubleshooting applications on Microsoft Cloud infrastructure AWS.
* Built servers using GCP, importing volumes, launched EC2, RDS and created security groups, auto-scaling, load balancers in the virtual private connections.
* Setup database in GCP using RDS, storage using S3 bucket and configuring instance backups to S3 bucket.

**Environment:** Linux, Subversion, Selenium, Maven, GIT, AWS EC2, VMware, Autoscaling, Glacier, RDS, ELB, AMI, ECS, WebLogic, Jenkins, Python script, Perl script, Bugzilla, Nagios, Puppet, Chef, Docker, JSON**.**

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| **UPS, Michigan**  **Devops Engineer** | **Feb 2017 – June2017** |

* Build and Release Java Applications to DEV, Test, Pre-Prod and Prod Environments and Developed Python and shell scripts for automation of the build and release process.
* Manage configuration of Web App and Deploy to AWS cloud server through Chef and Managed Maven project dependencies by creating parent-child relationships between projects.
* Experience with VMware Virtualization using hypervisor of vSphere.
* Created Python Scripts to Automate AWS services which include web servers, ELB, Cloud front Distribution, database, EC2 and database security groups, S3 bucket and application configuration, this Script creates stacks, single servers or joins web servers to stacks.
* Implemented Continuous Integration and Continuous Delivery (CI & CD) Process stack using AWS, GITHUB/GIT, Docker, Jenkins and Ansible

**Environment:** SVN, Maven, Tomcat, Nexus, VMware, Python, Shell Script, JIRA, Chef, SOAP, JSP 1.2, Java, AngularJs, JQuery, DOJO, CSS, AJAX, DWR, XML, XSL.

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| **NetWeb Technologies, India**  **Build and Release Engineer** | **June 2013 – Dec 2015** |

* Defined and Implemented CM and Release Management Processes, Policies and Procedures.
* Provided CM and Build support for more than five different applications, built and deployed to the production and lower environment.
* Maintained build related scripts developed in ANT, Python, and shell. Modified build configuration files including Ant’s build.xml.
* Installed and Managed Nexus Private repository manager for handling dependency management.
* GIT administration like providing access for branches and GIT repositories.

**Environment:** ANT, Maven, SVN, Hudson, Web Logic, JSP, Anthill Pro, Perforce, Perl Script, Shell Script CVS, Linux, Java, J2ee, EJB.