

NAGARJUNA REDDY

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Professional Summary:

- ❖ Having around 8 years of professional experience in IT industry comprising of Linux Administration, Build and Release, DevOps, AWS, OCI and Knowledge on Azure and Gcp Cloud Services that includes principles with keeping up Continuous Integration, Continuous Delivery and Continuous Deployment.
- ❖ Worked on Jenkins for continuous integration and for End to End automation for all build and deployments.
- ❖ Worked on Kubernetes and Terraform.
- ❖ Experience in working with cluster management and orchestration features embedded in Docker Engine which is built using Swarm Kit and worked on creation of custom Docker container images, tagging, pushing the images and Docker's consoles for managing the application of life cycle.
- ❖ Extensively used Docker/Kubernetes for containerization, virtualization, Ship, Run and Deploy the application securely to fasten Build/Release Engineering. Involved in Provisioning AWS Infrastructure using Ansible scripts from Jenkins.
- ❖ Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker.
- ❖ Experienced in designing, deploying and maintaining various multitude applications for data migration utilizing almost all AWS services stack including Elastic Cloud Compute EC2, RDS, EFS, Elastic Beanstalk, Subnets, Security Groups, NACLs, CloudFront, Red Shift, RDS, Key Management Service, Elastic Container Service (ECS), Cloud Formation scripting, Elastic search, Elastic Cache, SNS, Focusing on High Availability, Fault Tolerance.
- ❖ Develop automation and processes to enable teams to deploy, manage, configure, scale, monitor applications in Data Centers and in AWS Cloud.
- ❖ Good Knowledge of IaaS/PaaS/SaaS experience in AWS Cloud with databases like DynamoDB, S3 Buckets, MySQL and ElastiCache.
- ❖ Hands-on experience in S3 buckets and managed policies for S3 buckets and utilized S3 Buckets and Glacier for storage, backup and archiving in AWS and in setting up and maintenance of Auto-Scaling AWS stacks.
- ❖ Utilized AWS Beanstalk for conveying and scaling web applications and administrations created with Java, PHP, Node.js, Python and Docker on commonplace servers like Apache. ❖ Created functions and assigned roles in AWS Lambda to run python scripts, and AWS Lambda using Java to perform event driven processing.
- ❖ Configuring and networking of Virtual Private Cloud (VPC) Written Cloud Formation

templates and deployed AWS resources using it.

- ❖ Experienced in Branching, Merging, Tagging and maintaining the version across the environments using SCM tools like GIT, Bitbucket on Windows and Linux platforms.
- ❖ Experience in working with container clusters like Docker Marathon Infrastructure.
- ❖ Experienced in keeping up and looking at log archives using monitoring tools like Cloud Watch, Nagios and ELK Stack.
- ❖ Experience in computerization utilizing Python scripting.
- ❖ Experienced in installing, updating and keeping up with RedHat Enterprise Linux, CentOS, Ubuntu, SUSE Linux and Windows based platforms.
- ❖ Experienced in introducing, designing, adjusting, testing and conveying applications on Apache Web Servers, and Application servers, for example, Tomcat.
- ❖ Implementing multi-tier application provisioning in AWS, integrating it with Jenkins.

Professional Experience:

- ❖ Working as a consultant in **Navisite India Private Limited**, Gurgaon from Jan 2022 to Till Date.
- ❖ Worked as Devops Engineer in **Prodapt Solutions Private Limited**, Bangalore from Nov 2018 to Dec 2021
- ❖ Worked as Linux and AWS Engineer in Infrd, Bangalore From July 2015 to October 2018.

Educational Summary:

- ❖ Post Graduation from S V University Tirupati.

Technical Skills:

SCM Tools	GIT, Bitbucket, Jenkins
CM Tools	Ansible, Terraform
CI/CD Tools	Jenkins
Project management	Jira
Operating system	Windows, Linux
Application Server	Apache, Tomcat
Scripting	Shell Scripting

Build Tools	ANT, MAVEN
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On-prem	VMware
AWS Cloud Environment	EC2, Lambda, S3, VPC, CloudFront,, Cloud Trail, SES, Cloud Watch, Route53, EBS, Load Balancer, Elastic IP, Security Groups, Auto Scaling, IAM, Elastic Cache, Cloud Formation, Code Build, Code Commit, Code Pipeline, CLI, Auto Scaling, RDS.
OCI Cloud environment	Cloud Advisor, Compartments, Compute Instances, Block storage, Buckets, Monitoring.
Container Tools	Docker, Kubernetes

Certifications:

AWS Certified Solutions Architect - Associate

Certification URL: <https://aws.amazon.com/verification>

Validation number : Y80PQVEKYEEQQZWY

Microsoft Azure AZ-305

Passed on jan 2023

Project#7:

Avon

Feb2023-April2023

Consultant

Roles & Responsibilities

- ❖ Migrating Workloads to OCI.
- ❖ Spinning up the necessary compute instances for the newly designed infrastructure.
- ❖ Tagging the resources for maintaining clean infrastructure.

- ❖ Spinning up the bucket to store the necessary files used in the migration process.
- ❖ making sure the unused resources are cleaned up after Go live in order to reduce the costing.
- ❖ Coordinating with the team to set up secured infrastructure by adhering to the best practices.
- ❖ Setting up the internal calls and with the customer to share the progress and discuss the next steps in the process.

Project#6:
OCI Cost optimization
Dec2022-May2023
Consultant

Roles & Responsibilities

- ❖ Gathering details of the underutilized and unused resources from different Tenants residing in the Navisite Oracle shared account.
- ❖ Maintaining documents to track the resources and the cost that can be saved on a daily basis.
- ❖ Getting approval from the customers and terminating the resources.
- ❖ Providing necessary support to the customer in deciding what to do with the unused resources.

Project#5:
Navisite internal
Sep 2022- May 2023
Consultant

Role & Responsibilities

- ❖ Monitoring AWS marketplace daily to check if there are any restricted products and gathering the details.
- ❖ Publishing new products to the marketplace and making the product available to the public on behalf of the organization.
- ❖ maintaining a document for tracking the status of the products.
- ❖ providing on-call support for customers who want necessary changes to the product.

- ❖ Creating a support case wherever there is an issue with the product.

Project#4:

Signix

Jan2022- May2023

Consultant

Role & Responsibilities

- ❖ AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, CloudFront, Cloud Watch, Cloud Trail, Cloud Formation, Security Groups.
- ❖ setting up the services like client VPN as required by the customer.
- ❖ creating the directory services.
- ❖ adding users and user groups, joining newly created instances to the AD.
- ❖ setting the Firewall to make sure the resources are secured.

Project#3:

Snap-on Business Solutions

Jan 2022-May 2023

Consultant

Role & Responsibilities

- ❖ Creating multiple VPC's and public, private subnets as per requirement and distributing them as groups into various availability zones of the VPC.
- ❖ Configured security group for EC2
- ❖ Created S3 backups using versioning enabled and moved objects to amazon glacier for archiving purposes.
- ❖ Involved in building security models, VPC, Elastic IP for databases on Cloud platform.
- ❖ Build servers using AWS, importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
- ❖ Automated the cloud deployments using Terraform and AWS Cloud Formation Templates.

- ❖ Created a support case with AWS for any critical issues and follow-up.
- ❖ Created AMI images of the critical ec2 instance as backup using aws CLI and GUI.

Project#2:

Prodapt Solutions Pvt Ltd., Bangalore

Nov 2018- Dec 2021

Senior Devops Engineer

Role & Responsibilities:

- ❖ Documented the entire installation process for various tools and provided on-call support.
- ❖ Implemented a CI/CD pipeline involving Git, Jenkins, Ansible, and Docker to complete the automation from commit to Deployment.
- ❖ Good Hands on with Terraform and CloudFormation.
- ❖ Responsible for design and maintenance of the GIT Repositories and performed all necessary day-to-day GIT support for different projects.
- ❖ Used MAVEN as a build tool on Java projects for the development of build artifacts on the source code and build Projects using Maven.
- ❖ Hands on with Ansible to deploy automated tasks to many servers at once.
- ❖ Created and Implemented branching & merging strategy with multiple branches.
- ❖ Involved in periodic archiving and storage of the source code for disaster recovery.
- ❖ Integrated GIT into Jenkins to automate the code check-out process.
- ❖ Experience on writing Shell and Groovy scripting for automating tasks in Jenkins.
- ❖ Installed and administered various tools like Jenkins, Gitlab, Docker, Ansible, Artifactory and executed maintenance tasks such as creating users and groups.
- ❖ Helped the project in creating the company's DevOps strategy in a mixed environment of Linux servers along with creating and implementing a cloud strategy based on Amazon Web Services.
- ❖ Worked on AWS Elastic Beanstalk for fast deployment of various applications
- ❖ Co-ordinated with developer team over write/modify Ansible Playbooks for automation using Ansible.

- ❖ Creating multiple VPC's and public, private subnets as per requirement and distributing them as groups into various availability zones of the VPC.
- ❖ Configured security group for EC2
- ❖ Created S3 backups using versioning enabled and moved objects to amazon glacier for archiving purposes.
- ❖ Involved in building security models, VPC, Elastic IP for databases on Cloud platform.
- ❖ Automated the build and release management process including monitoring changes between releases.
- ❖ Hands-on experience with JIRA for creating bug tickets, workflows, pulling reports from dashboard, creating and planning sprints.
- ❖ Worked with globally distributed agile teams and delivering security software to reduce risk throughout the software lifecycle.
- ❖ Deployed and monitor salable infrastructure on Amazon web services (AWS) & configuration management
- ❖ Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments
- ❖ Provided a consistent environment using Kubernetes for deployment scaling and load balancing to the application from development through production, easing the code development and deployment pipeline by implementing Docker containerization.
- ❖ Focused on containerization and immutable infrastructure. Docker has been core to this experience, along with Mesos , Marathon , and Kubernetes .
- ❖ Using Kubernetes , I have controlled and automated application deployments and updates and orchestrated deployment.
- ❖ Integrated Kubernetes with network, storage, and security to provide comprehensive infrastructure and orchestrated container across multiple hosts
- ❖ Configured and managed security groups and VPC.
- ❖ Created AMI images of the critical ec2 instance as backup using aws CLI and GUI.
- ❖ Created a support case with AWS for any critical issues and follow-up.
- ❖ Monitored and worked on alerts for Web server Application pool.

Project#1:**Infrd, Bangalore****July 2015 to October 2018****Linux and AWS Engineer****Role & Responsibilities:**

- ❖ Infrastructure development on AWS using various services like EC2, S3, RDS, Route 53, CloudFront, Cloud Watch, IAM, VPC etc.
- ❖ Setup and manage backup and recovery using snapshot.
- ❖ Installation and setup of volume management for data backup and storage. Additionally using logical volume management (LVM) on Linux platforms
- ❖ Performed routine management of Linux environment like monitoring Disk Space and CPU Utilization.
- ❖ Created and modified users and groups with SUDO permission.
- ❖ Setup and maintain log-monitoring using ElasticSearch, Log Stash and Kibana.
- ❖ Responsible for creating the EC2 instances and machines in AWS cloud for development of the machines for quick integration and deployment into development and QA.
- ❖ Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto Scaling groups.
- ❖ Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)
- ❖ Infrastructure development on AWS using various services like EC2, S3, RDS, Route 53, CloudFront, Cloud Watch, IAM, VPC etc.
- ❖ Setup and manage backup and recovery using snapshot.
- ❖ Responsible for creating the new projects, build and deployment setup using Jenkins.
- ❖ Configured Jenkins using plugins automated pipeline for Java based projects.
- ❖ Created build slaves, configured and maintained build jobs for build automation and release process in Jenkins and TeamCity.

- ❖ Work with development teams and testing teams to establish a build schedule, execute the builds and troubleshoot build failures automated the continuous integration and deployment systems using Jenkins and Ansible.
- ❖ As a Linux administrator, was involved in providing operational support to clients
- ❖ Creating users and providing them with suitable permissions
- ❖ Account management for workplace environment users. Setting up user accounts; assign privileges, and user permissions
- ❖ Working with file systems like NFS, FTP, and Installations and of apache web servers.
- ❖ Setting up crontab jobs for scheduling a few tasks.
- ❖ Configuring Mariadb database, creating users and providing access rights to various users.
- ❖ Strong conceptual understanding of Security, VI, VIM, Nano Editors.
- ❖ Building customized Amazon Machine Images, taking snapshots on a monthly basis for backup purposes.
- ❖ Troubleshoot all the issues related to Linux Operating System and provide support for all DEV and QA environments.
- ❖ Volume management and Creating EBS volumes and assignments.
 - ❖ Responsible for creating the EC2 instances and machines in AWS cloud for development of the machines for quick integration and deployment into development and QA.
- ❖ Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto Scaling groups.
- ❖ Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)
 - ❖ Created Ansible playbooks to automatically install packages from a repository, to change the configuration of remotely configured machines and to deploy new builds.
- ❖ Responsible for creating containers using Docker, Container Orchestration using Docker Swarm and Docker Compose.
- ❖ Setup and maintain system-monitoring using Nagios.
- ❖ Helped the project in creating the company's DevOps strategy in a mixed environment of Linux servers along with creating and implementing a cloud strategy based on Amazon

Web Services.