Narendra Reddy

**DevOps Engineer**

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**CI-CD | Version Control | ELK stack| Terraform |Docker | Kubernetes | AWS Cloud**

# Professional Summary

# Passionate DevOps/Cloud Engineer with 3.2 Years of dedicated experience in optimization and continuous improvement of the application delivery process. Highly adept at understanding the mesh of Operations and Development to quickly deliver on schedule. Broad architectural level experience with Cloud technologies, Security, Automation, Monitoring Processes and development in Windows, Linux Systems.

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# Core Qualifications & Skills

* Experience working on **Docker**, creating Docker images and handling multiple images primarily for middleware installations and domain configuration. In addition, experience in writing **Docker file**.
* Helping various teams host their application on **Docker swarm**, **Kubernetes**, &**AWS ECS** and deploying Docker images on Kubernetes.
* Wrote **Ansible Roles** to launch AWS instances and used Ansible to manage web applications, configuration files, used mount points and packages and worked on playbooks for Ansible in YAML scripting.
* Expertise in **Terraform** and Ansible to automate infrastructure provision
* Experience in building new application and deployment through **Ansible Tower** and managing them in production environment. Integrated Ansible and **Maven** on **Jenkins**. Experience with **Maven.**
* Experience using and optimizing monitoring and trending systems (Nagios, Sensu, Graphite, Grafana), log aggregation systems (**ELK stack,Splunk**), and their agents (**collected, Fluentd, Elasticsearch, file Beat**&**Logstash**).
* Hands-on experience in **Automation, Configuring** and **Deploying** instances on Amazon web services (**AWS**) and experience with AWS components like **EC2, ELB, Auto scaling, RDS, S3, VPC, Route53, Cloud Watch, CloudHSM, Cloud Formation Templates**.
* Good working knowledge on **AWS IAM service**, **EC2IAM policies, Roles, Users, Groups,AWS access keys** and Multi Factor Authentication. And migrated applications to the **AWS Cloud**.
* Hand-On experience in Implementing, **Build and Deployment** of **CI/CD** pipelines, managing projects often includes tracking multiple deployments across **multiple pipeline stages (Dev, Test/QA staging and production**). Implement **CI/CD** tools Upgrade, Backup, Restore, API call, **DNS,** LDAP and **SSL** setup.
* Expertise in installing, configuring and managing **Web Logic, Apache, Tomcat,Jboss VMWare Server** in clustered environments for High Availability, Load balancing and fault tolerant.
* Expertise in component **repository management tools** like **Nexus, Artifactory** etc. Installed, Configured, Managed **Monitoring Tools** such as **Nagios and zenoss.**
* Expertise in installations of **SQL server, MYSQL server** and **PostgreSQL**.
* Create, configure and monitor large-scale, secure, **MongoDB** shared clusters.

# Technical Skills:

Operating Systems **: RHEL, CENTOS, Ubuntu & Windows**

Version Control Tools **: GIT, SVN**

Continuous integration tool **: Jenkins.**

CI & CD tool **: Ansible, Puppet, code deploy, Terraform**

Database **: SQLite, MySQL, ORACLE, MongoDB**

Middleware **: Apache Web Server**, **Tomcat**, **WebLogic,Nginx**

Scripting Languages **: Shell scripting, python**

Monitoring Tool **: Nagios. Zenoss, Zabbix, Dynatrace**

Containerization tool **: Docker, aws ecs, Kubernetes**

Cloud **: AWS, GCP**

Issue tracking tools **: JIRA, BmcRamedy,ServiceNow**

Other softwears **: Apche nifi, Marklogic**

TRAINING AND CERTIFICATIONS:

* *RHCE 7.0– RedHat Certified Engineer*
* *RHCSA 7.0 – RedHat Certified System Administrator*
* *Formally trained in AWS and Zenoss suites.*

# Professional Experience

**Service now, Hyderbad .(CILInfoserve pvt ltd cunsultancy) Dec 2018 – present**

**Role: DevOps Engineer**

**Responsibilities:**

* Helping customer with integrations of **CI/CD**, **GitHub, Gitlab, Jenkins, Vault, Ansible, Terraform, & AWS ECS.**
* Installation/administration/development/tuning of the **ELK stack** for monitoring and log analysis.
* Monitoring and trending systems (Nagios, **Site247**, splunk) log aggregation systems (**ELK stack,Splunk**), and their agents (**collected, Fluentd, file beat &Logstash**).
* Creating dashboards using **Elastic Search, Logstash, Kibana and Grafana**, Influx dB for production operations team and management.
* AWS Cloud Migration Design and consultancy and Architecture.
* Customer engagement and discussion around AWS migrations.
* Performed Database and Application Migrations in AWS
* Performing POC and customer workshops on AWS Migrations
* Installing and managing containers in **AWS ECS** environment
* **Terraform** deployments in AWS with help of vault and ansible
* Terraform versioning to manage prod, test and dev environment
* Managed daily builds and releases to all the environments.
* We are using **Ansible** as primary automation tool in configuring and deploying artifacts to several environments.
* Deployed builds to different environments like DEV, QA, UAT environments by integrating **Jenkins, Ansible** and **Terraform**.
* Debugged build failures and worked with developers and QA personnel to resolve related issues.
* Working and periodically meeting with Enterprise Architects, Project Managers, Scrum Master,
* Experience working with **AWS** to run third party application.
* Installing and configuring the applications like **Docker tool** and **Kubernetes** for the orchestration purpose

**Primesoft Pvt. Ltd, Hyderabad India. May 2017 – Dec-2018**

**Role: Linux & DevOps Engineer**

**Responsibilities:**

* Build, manage, and continuously improved the build infrastructure for global software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment tools.
* Created JIRA issues to prioritize important and stayed up to date with what’s going on around the project.
* Worked on creation of Docker containers and Docker consoles for managing the application life cycle.
* Used Docker containers for eliminating a source of friction between development and operations.
* Used Docker machine as a virtualization between systems.
* Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins. production support scripts to Chef Recipes and AWS server provisioning using Chef Recipes.
* Automated the cloud deployment using Chef, Python and AWS Cloud Formation Templates. Used Chef for unattended bootstrapping in AWS.
* Configured Linux servers like FTP, Telnet, SSH, NFS, Sendmail, httpd, DRBD Firewalls & Package Management using RPM and Yum.
* Automated daily tasks using shell scripting.
* Written shell scripts to export/import database backups from RDS & keep the same in S3 (AWS Storage).
* Configured and installed Zenoss monitoring application (UI) in an appropriate Linux server to enable alerts like CPU, Memory, URL, etc.
* Implemented Patch Management for the client servers using WSUS Server and Symantec Endpoint Antivirus
* Proficient in tools like Putty, WinSCP, S3browser, Bucket explorer, Fast Glacier, S3CMD\
* Prepare knowledgebase documents and keep them in share point folders.
* Involved in complete User administration (setup and maintaining account)
* Monitored servers for CPU Utilization, Memory Utilization, and Disk Utilization for performance monitoring and written customized script to utilization details
* Interaction with 3rd party vendors, Client Teams and senior onsite Systems Engineers as necessary to optimally perform job responsibilities
* Create and Maintain detailed up to date technical documentation (e.g. standards, process, Run Books, change requests)
* Attend status review meetings and prepare send the status reports to stake holders
* **Zenoss5** Administration, Configuration
* Perform event monitoring, monitoring tools administration, and reporting
* Monitoring of devices, configuring, testing new monitoring configurations, new monitoring rules
* Review types of alert activities to determine if there are any correlations or patterns

Sincerely,

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