

Work Profile

Name: - M Narshimhulu

B. Tech

Skillsets / Expertise

a. Total Work Experience (Yrs) : ~3.1

b. Technical Skills

Platforms	Linux, Red Hat, Cent OS, Ubuntu
Cloud / Virtualization	AWS (EC2, ELB, Route53, S3, RDS, IAM).
Languages	Shell scripting
Configuration Management	Ansible, Terraform
Source Code Management	GIT
Continuous Integration	Jenkins
Build tools	Maven.
Web and Application Servers	Apache Tomcat 8.x, Odoo Apache2, Nginx, IIS
Databases	MySQL, RDS, Mongo DB, PostgreSQL
Containerization	Docker, Kubernetes
Monitoring tools	Cloud Watch
Others	GIT, Maven, Java, Tomcat, Terraform, kubernetes, Jenkins, Red hat, Ubuntu, Ansible

c. Professional Experience

- Configuring and maintaining AWS such as EC2, S3, Route53, IAM, VPC, RDS, Cloud Watch.
- Designing HA, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balance and AMIs
- Administering Jenkins and secured Jenkins with role based access controls and matrix based project access.
- Involved in Installing Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
- Experienced with Continuous Integration/Continuous Deployment Tools as Jenkins and strong experience with Maven and Odoo Build Frameworks.
- Hand-On experience in Build and Deployment of **CI/CD** pipelines, managing projects often includes tracking multiple deployments across multiple pipeline stages.
- Experience working on several Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.

- viii. Extensive experience and highly proficient in GIT repositories structure, branching model and access control.
- ix. Experience modifying Shell scripts to automate the deployments.
- x. Involved in setting up Jira as defect tracking system and configured various workflows, customizations and plug-ins for the Jira bug/issue tracker.
- xi. Deploy / configure / tune Enterprise Applications in Tomcat.
- xii. Linux and UNIX administration.
- xiii. Continuous Integration, Continuous Deployment and Continuous Delivery
- xiv. Hands-on experience with configuration management tools like ansible
- xv. Configuring Servers to provide Networking Services, including HTTP, HTTPS, SAMBA and FTP.
- xvi. Installing Redmine as ticket/bug tracking tool and installed several plugins to track bugs and provide user administrations for different projects.
- xvii. Implemented architecture to migrate servers/data from premises to AWS cloud.
- xviii. Installing and maintain Zimbra mail server and provide different access to users.
- xix. Involved in launching different servers for different projects based on architecture.
- xx. Install and configure managed EKS clusters in AWS as well as on premises
- xxi. Installing, maintain and troubleshooting database servers in Linux machines and configure with application servers.

Work Experience

1. Project (Senior Associate: - Apple (Infosys))

My responsibilities in the project include: -

1. Daily Support to end users
2. Hand-On experience in Build and Deployment of **CI/CD** pipelines, managing projects often includes tracking multiple deployments across multiple pipeline stages (**Dev, Test/QA staging and production**).
3. Expert in configuring and maintaining Amazon Web Services which include services like Amazon EC2, ELB, EBS, Auto-Scaling, S3, Route53, IAM, VPC, RDS, Cloud Trail, Cloud Watch, SNS, Cloud Formation
4. Designing highly available, fault tolerant setup using multiple EC2 instances, Auto Scaling, Elastic Load Balance and AMIs
5. Administering Jenkins and securing Jenkins with role-based access controls and matrix-based project access.

6. Involved in Installing Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
7. Worked on creation of custom Docker container images, tagging and pushing the images.
8. Worked on creating docker images by writing docker file for different environments.
9. Worked on creating the Docker containers and Docker consoles for managing the application.
10. Installing and writing docker file create different images. Creating different docker environments on linux servers.
11. Experience implementing, troubleshooting, and supporting the enterprise web applications, and Applications Server Odoo.
12. Jenkins is used as a continuous integration tool for build and deployment of Python code.
13. Installed and Administered Jenkins CI for Maven/Python Builds, CI/CD with Jenkins.
14. Improved entire release process by automating all manual/time consuming steps with DevOps tools, Jenkins.
15. Responsible utilizing Elastic Load Balancing for our QA and UAT environments as well as infrastructure servers for writing/modifying Shell scripts.
16. Good Command in Linux and UNIX administration.
17. Excellent skills in applying Continuous Integration, Continuous Deployment and Continuous Delivery
18. Hands-on experience in Auto scaling for production instances, for scale up and scale down instances.
19. Redmine administration and creating different projects, provide access to users.
20. Worked on static and dynamic websites migration from on-premises to cloud.
21. Configuring monitoring for each instances and service in Nagios, cloud watch and data dog.
22. Configuring backups (database and code) for each servers and maintain in s3.
23. Install and configure Nagios for different server to monitor different services and notify us when have abnormalities.

2. Project: - Visa

My responsibilities in the project include: -

1. Conduct kick off meetings at customer site
2. Responsible for day-to-day management of all Development, Test, Stage, and Production Environments for various Java based enterprise applications.
3. Created various Maven scripts to create multiple deployment profiles and deploy the applications to Apache Tomcat.
4. Setup various Jenkins jobs for build and test automation

5. Created branches and managed the source code for various applications in maven, jenkins.
6. Managed Red hat Linux
7. Development of ansible playbook to manage systems configuration
8. Responsible utilizing Elastic Load Balancing for our QA and UAT environments as well as infrastructure servers for writing/modifying scripts using Shell.
9. Experience in troubleshooting application level issues to perform root causes analysis.
10. Worked on Installation of Docker Using Docker toolbox.
11. Worked on creation of custom Docker container images, tagging and pushing the images.
12. Worked on creating the Docker containers and Docker consoles for managing the application.
13. Experience implementing, troubleshooting, and supporting the enterprise web applications, and Application Server Tomcat.
14. Managed the Subversion branching strategy for few applications by creating Release branches, Development branches thus ensuring the integrity of Trunk.
15. Jenkins is used as a continuous integration tool for build and deployment of JAVA code.
16. Installed and Administered Jenkins CI for Maven Builds, CI/CD with Jenkins.
17. Experience in User Management and Plug-in Management for Jenkins.
18. Deployed the archives like war files into the Tomcat Application Servers.
19. Improved entire release process by automating all manual/time consuming steps with DevOps tools, Jenkins.
20. Used Ansible to manage Web Applications, Environment configuration Files, Users, Mount Points, and Packages.