VENKATESWARA REDDY.Y

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PROFESSIONAL SUMMARY

- An experienced IT professional with **4+ years** of strong Experience in DevOps Infrastructure, Build & Release and Configuration Management on Unix/Linux and AWS environments.
- Implemented a CICD pipeline involving Jenkins, Docker and AWS to complete the Automation from commit to Deployment.
- Experience in Branching, Merging, Tagging and maintaining versions across the environments using SCM tools like Subversion (SVN), GIT (GitHub, GitLab) and Bitbucket.
- Experience in using build automation tools like MAVEN, GRADLE for building of deployable artifacts such as WAR, JAR & EAR from source code.
- Experience in using CI tools like Jenkins & Hudson for automation of builds.
- Have good knowledge in installing, configuring and administering Jenkins Continuous Integration tool on Linux servers along with updating plugins such as SVN, GIT, Maven, NPM.
- Experience in Implementation of Continuous Integration through Jenkins & Deployment using Ansible.
- Experience working with Sonar/SonarQube a code quality control tool for continuous inspection.
- Proficient in Build & Release automation framework designing, Continuous Integration and Continuous Delivery, Build & release planning, procedures, scripting & automation.
- Experience in using Apache and Nginx web servers and application servers like Tomcat and JBOSS for deployments.
- Experience with Docker for different infrastructure setups and testing of code.
- Experience with Configuration and Maintenance of Automation tools like Ansible.
- Having good Experience with Ansible for transferring and running the modules with the help of SSH based systems and writing playbooks for server configuration.
- Involved in writing various custom Ansible Playbooks for deployment orchestration and developed Ansible Playbooks to simplify and automate day-to-day server administration tasks.
- Used Ansible to manage web applications, environment configuration files, users, mount points and packages.
- Automated application deployment to web/application servers in cloud using Docker containerization technology and generate artifacts.
- Docker containerization, building Docker images at root of the repository, configuring the Docker containers and creating Docker files for different environments.
- Experience working with collaboration tools like Jira, Confluence, Slack.
- Experience installing and administrating monitoring tools such as Nagios and monitoring, logging of these systems running on cloud(s) and on premise.
- Designed, configured and managed public/private cloud infrastructures in Amazon Web Services (AWS).

- Team player with excellent interpersonal skills, self-motivated, dedicated and understanding the demands of 24/7 system maintenance and has good customer support experience.

TECHNICAL SKILLS:

Operating Systems	RED HAT LINUX(RHEL), Ubuntu, CentOS, WINDOWS XP/7/8/10.
Version Control Tools	Subversion (SVN) 1.6.x, GIT, Bitbucket.
Database	Oracle, MySQL.
CI & CD Tools	Jenkins 1.9.x/2.4.x.
Bug Tracking Tools	JIRA 6.x, Confluence.
Artifact Repository managers	Jfrog, Artifactory, Nexus.
Container orchestration	Kubernetes
Container	Docker, Docker-Compose.
Monitoring	Nagios.
Code coverage tools	Sonar/SonarQube 7.x
Configuration Mgmt. Tools	Ansible 1.9.6/2.2.x.x.
Scripting	Shell Scripting.
Web/Application Servers	Tomcat, Apache, Nginx.
Build Tools	Maven 3.3.x, Gradle 3.5.
Cloud Platforms	Amazon web services.

Work Experience:

Currently working as a **DevOps Engineer** for **Zensar technologies, Bangalore** from August 2017 to till date.

Project #1
Client : Market America
March 2019 to Present

Responsibilities

- Creating CI CD pipeline for various application on Jenkins platform by integrating Devops tools.
- Responsible for creating labels, jobs, nodes in Jenkins.
- Administered and Engineered Jenkins for managing Build, Test and Deploy chain, SVN with Dev/Test/Prod Branching Model for weekly releases.

- Set up Jenkins server and build jobs to provide continuous automated builds based on polling the Git source control system during the day and periodic scheduled builds overnight to support development needs using Jenkins, JUnit, Selenium and Maven.
- Jenkins automates the provisioning and configuration for all of the Jenkins Continuous Integration Server including plugins, jobs, server configuration, etc.
- Hosting applications with the AWS Cloud. Proficient in using Amazon Web Services including EC2, VPC, S3.
- Launched AWS EC2 instances, configured, connected and terminated.
- Designed highly available, cost effective and fault tolerant systems using multiple EC2 instances, and AMIs.
- Built AWS Cloud Formation templates to create customized VPC, subnets, NAT toensure successful deployment of Web applications.
- Automated various service and application deployments with Ansible on Ubuntu and RHEL.
- Created Ansible supported YML scripts to restart Tomcat, Jetty servers through GUI.
- Created Ansible playbooks for various automation purpose, file copy, permission changes, configuration changes, path specific folder creation,etc.
- Written playbook using Ansible modules
- Setup Docker to automate container deployment through Jenkins.
- Worked on Docker container to create Docker images for different environments.
- Maintain and support Docker containers running on Ubuntu machines.
- Worked on Docker hub, creating Docker images and handling multiple images primarily for middleware installations and domain configurations.
- Docker: - worked on containerization technologies to build and deploy services as images to cloud environment, also integrated the process as part of build pipeline. In Jenkins every time it builds a new image, test the image and push to the repository.
- Responsible for deploying various application through Docker containers.
- Developed build and deployment scripts using NPM and MAVEN as build tools in Jenkins to move from one environment to other environments.
- Handled configuration-management, application deployment, cloud provisioning, ad-hoc task-execution, configuration and maintenance of Tomcat servers and multi node orchestration using Ansible.
- Rolled out Ansible automation and wrote playbooks and roles to update configurations of Dev/QA/Prod servers.
- Perform sonar, security-scans, CLM analysis and pmd stages in Jenkins file for automation.
- Experience in uploading Artifacts to Artifactory, Nexus using Maven, NPM and gradle build tools.
- Monitor the each servers health-check by using Nagios dashboards.
- Uses docker images to run the applications dependencies inside the containers.

Environment:
RHEL6.x/7.x,Ubuntu,AWS,Docker,Kubernetes,Jenkins2.x,Ansible2.0.x,Maven3.3.x,NPM,gradle,Nexus, Jfrog, Jira, GIT, Shell.

Project #2
Client : Mindtek.
Nov 2017 to Jan 2019

Responsibilities:

- Created the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products.
- Manage Code Repository by maintaining code repository in GIT; improve practices of branching and code merge to custom needs of development team.
- Implemented Jenkins as Continuous Integration Server, for - Installation, Configuration, Design and Administration, and integrating tools with other systems.
- Installing and administering SVN, Jenkins and Nexus.
- Worked hands-on to create automated, containerized cloud application platforms (PAAS), and design and implement DevOps processes that use those platforms.
- Designed highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling and AMIs.
- Built AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
- Designing and implementing fully automated server build management, monitoring and deployment solutions spinning multiple platforms, tools and technologies including Jenkins Nodes/Agents, SSH, deployment and testing.
- Scripting in multiple languages on UNIX, LINUX and Windows **-** Bash, Shell script etc.
- Troubleshoot the build issue during the Jenkins build process.
- Deployed the generated build to WEB and APP server using the continuous integration process to all Environments. Coordinated different teams across the globe to deploy different builds to different environments on parallel development for multiple projects. (DEV, QA, PERF, REG, STAGING, PRODUCTION)
- Managed daily builds and releases to QA. Debugged build failures and worked with developers and QA personnel to resolve related issues.
- Monitored software, hardware, and/or middleware updates and utilizing technologies like Jenkins/Hudson, maven and Subversion.
- Code Coverage- Installed SONAR on Jenkins server and configure with the build process for the code analysis process for better code quality and code metrics, and rapid feedback for development teams and managers.
- Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.
- Used the JIRA for bug tracking, creating the dashboard for issues.
- Worked on cross-platforms (Windows-Unix)

Environment: AWS, GIT, Jenkins, JIRA, Maven, Service Now, Sonar , EC2 instances, Auto Scaling, Elastic Load Balancer and AMIs.

Academic details :

- B.Tech Mechanical from R.V.R&J.C College of Engineering, Guntur, A.P in 2017.

Y.Venkateswara reddy.