

Rajesh Manyam
DevOps & AWS Engineer

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PROFESSIONAL PROFILE:

- Overall Having 4.2 year of IT Experience in Linux and DevOps with **AWS** in areas of Build / Release / Environment Management, releases for multiple Applications running on both Linux & Windows based distributed Infrastructure. Software Configuration and DevOps Methodologies with equal emphasis on supporting Java/J2EE applications and setting up and maintaining CI & CD pipelines and delivering.
- Good understanding of **Agile** development methodology in designing and implementation of Continuous Integration and Delivery (CI/CD) methodology.
- Installation, Configuration & Managing Linux based servers (**RHEL, Ubuntu and Centos**).
- Creation and managing of user accounts, passwords, profiles and also group's creation and management, setting file permissions.
- Good Knowledge in **Shell script** for automation of technical activities.
- Hands on experience with **SCM** tools like **Git** for branching, tagging and version management.
- Hands on experience in **Maven** build tool for compiling and packaging the **artifact**.
- Hands on experience in configuration management and Infrastructure management with automation tools like **Ansible, Docker, Jenkins**.
- Good experience in **Ansible, playbooks** applies to server and manages the nodes.
- Writing **Playbooks, Templates, Handlers, Roles** to automate infrastructure using Ansible.
- Good on **Docker**, creating the **Docker Files**, building **Docker Images**, running **Docker Containers**.
- Expertise on Installation Configuration and Administrating Continuous Integration tool **Jenkins**.
- Created automated build and release environment and build automation using Continuous Integration Tools **Jenkins, Git**.
- Implemented continuous integration using Jenkins with **groovy script** to automate the code deployment
- Hands on experience in repository tool **Nexus** with Maven integration from **Jenkins pipeline**.
- Hands on experience in configuring **SonarQube** with Maven from Jenkins pipeline.
- Extensive experience in setting up the **Kubernetes (K8S)** and **EKS** for the Docker to handle cluster based containers.
- Implemented Testing environments for kubernetes and administrated the **kubernetes clusters**.
- Experience with cloud infrastructure of **AWS** (Amazon Web Services) and computing **AMI** virtual machines on **EC2** (Elastic Compute Cloud), **Route53, S3, VPC** and **Cloud Formation**
- Working experience in taking snapshots of the **EBS Volumes**.
- Hands on experience in provisioning the Databases using **AWS RDS**.
- Launching Amazon **EC2** Cloud Instances and configuring **VPC** with **AWS CFT** (cloud formation template).
- Creating **S3 bucket** and furthermore overseeing strategies for an S3 bucket and Utilized S3bucket and Glacier for storage and backup on AWS.
- Creating **Cloud Watch** alerts for instances and utilizing them in Auto-scaling launch configurations.
- Hands on experience in monitoring tool **Nagios**.
- Installing, configuring and maintaining Continuous Integration, Automation and Configuration Management tools.
- Managed environments **DEV, QA, UAT** and **PROD** for various releases and designed instance.
- Effectively co-ordinate with various functions development, testing, environment management, helpdesk within the organization throughout the **SDLC**.

Technical Skills:

Operating Systems	Linux(RHEL/CentOs/Ubuntu), Windows
Scripting Language	Shell scripting, YAML, Json
VCS Tool's	Git , GitHub , Gitlab
Build Tool	Maven
Code Review	SonarQube
Ticketing Tool	JIRA
Application Servers	Apache Tomcat
Web Servers	Apache ,Nginx
CI/CD Tool	Jenkins
Artifactory	Nexus
Configuration Management Tool	Ansible
Containerization tool	Docker
Container Orchestration	Kubernetes, EKS
Monitoring & management	Nagios, Aws cloud watch
Cloud Platform	AWS

PROFISSIONAL EXPERIENCE:

- Working for **QualMinds Technologies Pvt Ltd** Hyderabad as **DevOps** with **AWS Engineer** from **JUNE-2017** to till date.

PROJECT SUMMARY:

Project2

Title: **RSA Healthcare**
Client: **Royal sun Alliance**
Tools: **AWS, Git, Maven, Ansible, Docker, Jenkins, Kubernetes, Nagios, Tomcat, Nexus**
Duration: **November 2018 – Till date**

Project Description:

Royal sun Alliance is one of the reputed insurance companies and provides a wide range of insurance policies such as Motor Vehicle Insurance, Accidental, Life Insurance and healthcare Insurance etc. The main modules being contained in this project are Customer Services, Customer Policy, Cashier, Claims, Production Processing, Production Definition, Billing and Banking etc. This is the entry point to start the business processes.

Responsibilities:

- Launching Amazon **EC2 Cloud Instances** (Linux/ Ubuntu) and Configure as per application requirement in AWS.
- Network setup using **Load balancer, Auto scaling, Security groups** and **Network NACLs** in AWS .
- Setup and build AWS infrastructure with various resources like **VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling**, and **RDS in Cloud Formation Templates (CFT)**.
- Configure and Management of Virtual Private Cloud (**VPC**).
- Creating **S3 bucket** and furthermore overseeing strategies for an S3 bucket and Utilized S3bucket and Glacier for storage and backup on AWS.
- Creating **Cloud Watch** alerts for instances and utilizing them in Auto-scaling launch configurations.
- Creating & maintaining of **Docker images** for micro services application using Docker file.
- Extensive experience in setting up the Kubernetes for the Docker to handle cluster based containers.
- Implemented Testing environments for **kubernetes** and administrated the **kubernetes clusters**.
- Create reusable **helm charts** and deploy applications to Kubernetes using **Helm**.
- Installing and configuring Ansible and involved in writing **Ansible playbooks** for configuring the servers.
- Managing Continuous Integration and Continuous Delivery (CI/CD) using **Jenkins**.
- Hands on experience in Jenkins creating the Upstream and Downstream Jobs.
- Resolving GIT Merge conflicts and creating Branches.
- Implemented Continuous Integration using **Jenkins** and **GIT**.
- Build pipeline design and optimization **GIT, Maven**, and **Nexus** for J2EE application deployments.
- System monitoring in **Nagios** for performance on all environments (CPU, disk space, etc.) to ensure smooth running of all Environments

Project1

Title: **Wholesale Banking Technologies**
Client: **Wells Fargo**
Tools: **Linux, Maven, Git , Tomcat, Jenkins, Nexus, Nginx, Nagios, Jira, Apache, NFS, FTP**
Duration: **June 2017 – October 2018**

Project Description:

Wholesale Banking provides financial solutions to businesses across the United States and globally. Its 13 major business lines are Banking, Middle Market Banking, Government and Institutional Banking, Corporate Banking, Commercial Real Estate etc. The goal of the project is to maintain and support entire DevOps life cycle across WBT.

Responsibilities:

- Automate jobs using CI/CD Pipeline.
- Creating War/Ear files using **maven** script.
- Integrated **Maven** with **GIT** to manage and deploy project related tags.
- Worked on **Nexus** installation, integration and artifact management.
- Maintaining **Nexus** as a Mirror repository for **Maven** created Builds.
- Involved in Branching, Tagging of code delivery at required releases.
- Involved in scheduling the automated build called Nightly Builds.
- Responsible for Branching and merging the code as per the schedule.
- Used **Maven** as a build tool on java projects for the development of build artifacts on the source code.
- Installed and Configured the **Nexus** repository manager for sharing the artifacts within the company.
- Interacted with supporting teams to understand client deployment requests.
- Communicating with developers for build plan and build failures.

- Coordinate with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts.
- Build, manage, and continuously improved the build infrastructure for software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment.
- Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
- Reported to a DevOps Manager, who will coordinate with teams outside of the development group.
- Interacting with developers to sort out issues related to Build Automation.
- Managing/Tracking the defects status using jira.
- Performing **Jenkins** jobs on node management.
- Co-ordination with other team members to resolve the Issue.
- Promoting code from one environment to other environment.

EDUCATION:

B.tech From Swarnandhra Institute of Engineering & Technology, JNTU- K in the year 2016.

PERSONAL DETAILS

Date of Birth: 15th July, 1995
Languages Known: English and Telugu
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