

Murali Marakala

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Objective:

Seeking a challenging and rewarding opportunity with an organization of repute that recognizes and utilizes my true potential while nurturing analytical and technical skills.

Professional Summary:

- ✓ Having around **Total 5.4 Years of IT experience** as **AWS DevOps Engineer**.
- ✓ Experience with DevOps essential tools like GIT, GitHub, Maven, Jenkins, SonarQube, JFrog, Docker, Kubernetes, AWS, and Managed Services like VPC, EC2, Elasticsearch, S3, Route53, ELB, EBS, RDS, EKS, SNS, Cloud Watch, Auto Scaling Group, VPC Peering, AMI, Elastic IP's.
- ✓ Experience in working on AWS and its resources like Security Groups, NACL, Subnets, route table, IGW, NAT, and Security Groups in VPC.
- ✓ Launching Amazon EC2 Cloud Instances using Amazon Web Services and Configuring launched instances with respect to specific applications.
- ✓ Creating images and templates from EC2 Instances to Launch more instances to create similar machines we created.
- ✓ Monitoring system logs and save logs for references.
- ✓ Designed highly available, cost-effective, fault-tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balancer, and AMIs.
- ✓ Establishing connectivity to AWS Resources in another VPC in another region using AWS VPC Peering.
- ✓ Register new domain names and Route internet traffic to the resources for domains by using AWS Route53.
- ✓ Creating Jenkins files and Docker files and updating the pom.xml files about SonarQube properties.
- ✓ Good Hands on experience in creating Jenkins jobs, plug-in installations, and setting up distributed builds using master/slave concepts.
- ✓ Automated deployment of builds to different environments Dev, Qa, and stage using Jenkins.
- ✓ Experienced in using Build Automation scripting like Maven as build tools for building deployable artifacts (JAR, WAR) from source code.
- ✓ Experience in using Tomcat and Apache web servers for deployments.
- ✓ Setting up Docker Environment, creating Docker files, creating Docker custom images, creating containers.
- ✓ Used docker volume, port map, and network concepts while creating docker containers.
- ✓ Deploying Kubernetes Projects by using Helm Charts.
- ✓ Monitoring Containers of pods by using Metric-Services.

Educational Qualification:

- ✓ Post Graduation in MCA from Kakatiya University-Warangal in 2012.

Work Experience:

- ✓ Working as **DevOps Engineer** in **Trident Infosols** from **Feb 2018 to till date**.

Technical/ Functional Summary:

Operating systems	Linux, windows
Version Control Tools	GIT, GitHub
CI/CD tools	Jenkins
Containerization Tool	Docker
Containerization Orchestration	Kubernetes
Package Manager Tool	Helm
Database	MySQL
Scripting languages	Bash Shell scripting, YamL, Python
Application server	Apache Tomcat, Apache web server
Build Tools	Maven
Code Quality Assurance tool	SonarQube
Artifactory	Jfrog, Nexus
IDE	VS code, intelj IDEA, Eclipse, pycharm
Cloud Platform	AWS

Project#1:

Projects : **FedEx**
Role : DevOps Engineer
Platforms : Linux
Technology : Git, SonarQube, JFrog, Jenkins, Helm, Docker, K8's, Terraform.
Application Server : Apache Tomcat7 Server, Apache web server

Roles & Responsibilities:

- ✓ Configure continuous integration and continuous deployment of Jenkins.
- ✓ Used JFrog for storing Artifacts and Helm package.

- ✓ Used SonarQube for Code Quality Analysis. It checks whether the code written by the developer follows Industrial Standards or not.
- ✓ Integrate and collaborate with cross-functional teams such as QA, Operations, Development, Implementation, and delivery teams for smooth & successful operations.
- ✓ Jenkins integration with other tools (Maven, SonarQube, JFrog) and creating an automated process on Jenkins.
- ✓ Installed Git, java, maven, docker, helm, push-over plugin, and kubctl in the Jenkins server.
- ✓ Installed required plugins, and added Tool credentials to the Jenkins server.
- ✓ Installing, configuring, and maintaining Continuous Integration, Automation, and Configuration_Management tools.
- ✓ Experience working on Docker hub, creating Docker images, and handling multiple images primarily for middleware installations and domain configurations.
- ✓ Design and create an automated Build and Deployment process.
- ✓ Used security groups, network **ACLs**, internet gateways, and route tables to ensure a secure zone for the organization.
- ✓ Creating Jenkins files and Docker files and stored in SCM.
- ✓ updates the SonarQube properties in pom.xml.
- ✓ Experience in **Docker** like creating Docker images, containers, Docker files, tagging, and pushing to Docker Hub.
- ✓ Provisioning Infrastructure using Terraform and stored state files in S3 bucket.
- ✓ Build and Release artifacts on Dev, QA, Stage Env, and production Environments using Jenkins CD Jobs.
- ✓ Experience in creating Kubernetes cluster (EKS model) with Kubernetes Master and Kubernetes Worker nodes for deploying applications on it.
- ✓ Having knowledge on setting up and managing Docker private repository
- ✓ Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects.
- ✓ Excellent communication, team membership, and relationship management skills.
- ✓ Used Helm as a Kubernetes package manager, allowing us to easily package, configure, and deploy applications and services onto Kubernetes clusters.
- ✓ Monitoring pods by using Metric-Services.

Project#2:

Project : Pressonx
Client : Hamid (UAE)
Domain : E-Commerce
Role : AWS DevOps Engineer
Technology : GIT, Jenkins, Maven, Docker, MySQL, ApacheWeb server.
Cloud : AWS
Description : Pressonx is an E-Commerce business. It is selling different Play Station and console products.

- ✓ Experience in working on AWS and its resources like Security Groups, NACL Subnets, route table, IGW, NAT, and Security Groups in VPC.

- ✓ Launching Amazon EC2 Cloud Instances using Amazon Web Services and Configuring launched instances with respect to specific applications.
- ✓ Designed highly available, cost-effective, fault-tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balancer, and AMIs.
- ✓ Register new domain names and Route internet traffic to the resources for domains by using AWS Route53.
- ✓ Build and Release artifacts on Dev, QA, Stage Env.
- ✓ Configure continuous integration and continuous deployment of Jenkins.
- ✓ Integrate and collaborate with cross-functional teams such as QA, Operations, Development, Implementation, and delivery teams for smooth & successful operations.
- ✓ Jenkins integration with other tools and creating an automated process on Jenkins.
- ✓ Deployment and maintenance of Linux Server systems on a Cloud environment.
- ✓ Backup and restore.
- ✓ System Start-Up, Shut-Down Processes.
- ✓ Setting up Docker Environment, Creating Docker files, Customizing images, and creating containers using Docker images.
- ✓ Experience working on Docker hub, creating Docker images, and handling multiple images primarily for middleware installations and domain configurations.
- ✓ Used AWS Cloud services as security groups, network ACLs, internet gateways, and route tables to ensure a secure zone for the organization.

PERSONAL SKILLS:

- ✓ Good interpersonal skills
- ✓ Leadership qualities with good communication
- ✓ Eager to learn and Contribute
- ✓ A confident and friendly personality
- ✓ Ability to work effectively and Quickly

Declaration:

I hereby declare that the above stated information is true and correct to the best of my knowledge.

Date:

(Murali M)