Rajesh Kambala

AWS DevOps Engineer

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👤 PROFILE

***Professional Summary*:**

- Having around 4 years of experience as a DevOps and Aws Cloud engineer, Support and
- Maintenance in environments like Red Hat Enterprise Linux, and Centos and focus on DevOps tools and AWS Cloud Architecture.
- Experience with DevOps essential tools like GIT, Jenkins, Maven, Ansible, Docker to AWS and
- Managed Services like EC2, S3, Route53, ELB, and EBS.
- 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 using Jenkins.
- Jenkins administration.
- Hands-on experience with configuration Management tools like Ansible
- Experienced in using Build Automation scripting like Maven as build tools for building of deployable artifacts (JAR, WAR) from source code.
- Experience in using Tomcat and Apache web servers for deployments.
- Experience in Docker like creating Docker images, containers, Docker files, tagging, and publishing to Docker Hub.
- Experience in working on AWS and its services like IAM,VPC, EC2, EBS, S3, ELB, AutoScaling, RDS, Elastic Beanstalk, Route 53, and SNS and creating custom-sized VPC, subnets, NAT, EC2 instances, ELB, and Security groups.
- Designed highly available, cost-effective, and 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.
- Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to Storage classes based on requirements.
- Creating alarms in Cloud watch service for monitoring the server performance, CPU Utilization, and disk usage.

🎓 EDUCATION

Bachelors of Technology,   Sep 2013 – May 2017 | Hyderabad, India
Jawaherlal Nehru Technological University Hyderabad.

🧠 SKILLS

- Operating Systems: Windows, Linux-Redhat, Ubuntu, Centos

- Build Management Tools: Maven

- Application Servers: Apache Tomcat.

- Web Server : ApacheHTTP

- Configuration Management Tools : Ansible

- orchestration Tool: Openshift

- Coud Technology :   Amazon Web Services - Elastic Compute Cloud(EC2), Simple Storage Services (S3), Route 53, Virtual Private Cloud(VPC), Elastic Load Balancer(ELB), Auto-Scaling, IAM, Elastic IP's, EBS, RDS.

- Version Control Tools: Git, Bitbucket

- Scripting Languages: Shell Script

- Continuous Integration Tools : Jenkins, Cloud Bees

- Virtualization Tools : Terraform, Vagrant.

- Automation Tool : Terraform & Jenkins

- Ticketing Tool: Jira

- containerization Tool : Docker

📂 PROJECTS

1. Project Name: AIMs HealthCare   Oct 2022 – Jul 2023
   Environment: AWS, Linux, BitBucket, Docker, Maven, Jenkins, Cloudbees, Jfrog, Openshift.

2. Project Name: Pagarbooks   Dec 2021 – Sep 2022
   Environment: AWS, Linux, Windows, Git, BitBucket, Maven, Jenkins, Jfrog, Ansible, Docker.

3. Project Name: Virgincare   Jul 2019 – Sep 2020
   Environment: Linux, Git, Maven, Jenkins, Nexus, Apache Tomcat.

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Roles and Responsibilities:

Devops:

- Strong working knowledge on GIT.
- Performing the regular tasks that include cloning, pulling the repositories, branching and merging.
- Configured and managed Git plugins in Jenkins server.
- Used Git Hub repository to run Jenkins job for Continuous Integration.
- Responsible for creating Artifacts using Maven and deploying those artifacts into Tomcat Server.
- Automated deployment of builds to different environments using Jenkins.
- Responsible for configuring the slave nodes in Jenkins.
- Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker images to the Nexus repository.
- Installing and Configuring Jenkins, Installing plug-in, configuring security, creating a master and slaves for implementation of multiple parallel builds.
- Installed and configured Nexus repository manager for sharing artifacts between internal teams.
- Created Roll based access control to users in Jenkins.
- Managing Continuous Integration and Continuous Delivery (CI/CD) using Jenkins and release management using SonarQube
- Managing and Configuring the Day and Night Builds for the sprint teams in Jenkins.
- Build engineering automation and productivity tools to streamline deployment pipeline.
- Writing Playbooks and modules to automate infrastructure using Ansible.
- Worked on Ansible Playbooks to bring the required infrastructure changes.
- Configuring CRON Jobs for executing daily activities such as Backup/Archive etc.
- Automated the deployments to DEV and QA Environments by picking up builds from Jenkins using ansible.

- Created docker files for easier replication of DEV, QA Environments in local machines.
- Created docker containers using docker images for deploying applications for DEV, and QA Environments.
- Copying packages from Nexus repo to Windows servers for deployment.
- Setting up local test environments if required on the engineer's machine using Vagrant and VirtualBox.
- Setting up and maintaining monitoring & alert systems for servers.
- Configured filebeat to fetch the logs from the machine and to showcase on Kibana dashboard.
- Setup and maintain log monitoring using Elastic Search, LogStash, and Kibana.
- Troubleshoot and resolve issues related to application deployment and operations
- Working with a cross-functional, distributed team to provide 24X7 deployment support across
- multiple environments.
- Managing patches/software upgrades in servers.
- Used Maven dependency management system to deploy SNAPSHOT and RELEASE artifacts to
- Nexus to share artifacts across projects.

AWS

- Setting up EC2 instances and prerequisites on the instances for deploying the applications.
- Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and
- Configuring launched instances with respect to specific applications.
- Working on Multiple AWS instances, setting the security groups, Elastic Load Balancer(ELB) and AMIs, and Auto scaling to design cost-effective and highly available systems.
- Designing and deploying AWS solutions using EC2, S3, Elastic Load balancer (ELB), auto-scaling groups.
- Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
- Experienced in creating multiple VPC's, public, and private subnets as per requirement and established connectivity to AWS Resources in another VPC in another region using AWS VPC Peering.
- Used security groups, network ACLs, internet gateways, and route tables to ensure a secure zone for the organization.

✎ DECLARATION

I hereby declare that the above furnished information is true and promise that I will work hard up to the satisfaction of my superiors and company if I am provided with the opportunity.

Rajesh Kambala
Hyderabad