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

M• aintenance in environments like Red Hat Enterprise Linux, and Centos and focus on DevOps tools

and AWS Cloud Architecture.

E• xperience with DevOps essential tools like GIT, Jenkins, Maven, Ansible, Docker to AWS and

* Managed Services like EC2, S3, Route53, ELB, and EBS.

G• ood Hands-on experience in creating Jenkins jobs, plug-in installations, and setting up distributed

builds using master/slave concepts.

A• utomated deployment of builds to different environments using Jenkins.

* Jenkins administration.
* Hands-on experience with configuration Management tools like Ansible

E• xperienced 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.

E• xperience in Docker like creating Docker images, containers, Docker files, tagging, and publishing to

Docker Hub.

E• xperience 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.

D• esigned 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. C• onfigured S3 buckets with various life cycle policies to archive the infrequently accessed data to

Storage classes based on requirements.

C• reating alarms in Cloud watch service for monitoring the server performance, CPU Utilization, and

disk usage.

# EDUCATION

## Bachelors of Technology,

**Jawaherlal Nehru Technological University Hyderabad.**

Sep 2013 – May 2017 | Hyderabad, India



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 **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.

1. **Project Name: Pagarbooks** Dec 2021 – Sep 2022

## Environment: AWS, Linux, Windows, Git, BitBucket, Maven, Jenkins, Jfrog, Ansible, Docker.

1. **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.

P• erforming the regular tasks that include cloning, pulling the repositories, branching and merging.

* + Configured and managed Git plugins in Jenkins server.

U• sed Git Hub repository to run Jenkins job for Continuous Integration.

* + Responsible for creating Artifacts using Maven and deploying those artifacts into Tomcat Server. A• utomated deployment of builds to different environments using Jenkins.
  + Responsible for configuring the slave nodes in Jenkins.

R• esponsible 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.

M• anaging Continuous Integration and Continuous Delivery (CI/CD) using Jenkins and release

management using SonarǪube

* + Managing and Configuring the Day and Night Builds for the sprint teams in Jenkins.

B• uild engineering automation and productivity tools to streamline deployment pipeline.

* + Writing Playbooks and modules to automate infrastructure using Ansible.

W• orked on Ansible Playbooks to bring the required infrastructure changes.

* + Configuring CRON Jobs for executing daily activities such as Backup/Archive etc.

A• utomated the deployments to DEV and ǪA Environments by picking up builds from Jenkins using

ansible.

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* + Created docker files for easier replication of DEV, ǪA Environments in local machines.

C• reated docker containers using docker images for deploying applications for DEV, and ǪA

Environments.

* + Copying packages from Nexus repo to Windows servers for deployment.

S• etting up local test environments if required on the engineer's machine using Vagrant and

VirtualBox.

S• etting up and maintaining monitoring & alert systems for servers.

* + Configured filebeat to fetch the logs from the machine and to showcase on Kibana dashboard. S• etup and maintain log monitoring using Elastic Search, LogStash, and Kibana.
  + Troubleshoot and resolve issues related to application deployment and operations

W• orking with a cross-functional, distributed team to provide 24X7 deployment support across

* + multiple environments.

M• anaging patches/software upgrades in servers.

* + Used Maven dependency management system to deploy SNAPSHOT and RELEASE artifacts to N• exus to share artifacts across projects.

## AWS

* + Setting up EC2 instances and prerequisites on the instances for deploying the applications. L• aunching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and
  + Configuring launched instances with respect to specific applications.

W• orking 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.

D• esigning and deploying AWS solutions using EC2, S3, Elastic Load balancer (ELB), auto-scaling

groups.

C• reating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier

for storage and backup on AWS.

E• xperienced 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.

U• sed 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

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