**Kudithi Vamshikrishna**

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**EXECUTIVE SUMMARY:**

**Vamshiis a DevOps Engineer**. He has 3.6 years of experience in **Software Configuration Management activities including Version Control, Build, Deployment, Change Management and Release Management and having good knowledge in AWS cloud.**

**AREAS OF EXPERTISE:**

* Hands-on experience in DevOps tools and AWS**.**
* Experience in version control tool **GIT, Gitlab & Bitbucket.**
* Experience in using Build Automation tools like **Maven.**
* Experience in Tomcat server in deploying small scale applications.
* Experience in using Continuous Integration tools like **Jenkins, github workflow and gitlab**.
* Work with Development Teams and Testing Team to establish a build schedule, Execute the builds and troubleshoot build failures, if any.
* Exposure in Agile Methodology Architecture using Java as backend.
* Knowledge on Infrastructure Automation Tool **Ansible, terraform and cloudformation**.
* Using configuration management tool **Ansible**.
* Experience on AWS cloud infra management Like **EC2, S3, IAM and Cloud watch, ELB, code commit, code deploy, amplify, EKS, ECS, VPC and elastic beanstalk.**
* Experience with cloud foundry to deploy applications in mindsphere and configuring the Developer cockpit & Operator cockpit.
* Experience on **Docker files** to build the **Docker images.**
* Got appreciation for the work delivered within the time scales.
* Good organizational and communication skills with attention to detail and an Ability to deliver high quality solutions.

**EDUCATION:**

B.Tech from Anasuya Devi Institute Of Tech & Science, Gudur.

**TECHNICAL SKILLS:**

* Environment : Linux/Windows
* Container Technology : Docker
* Configuration Management : Ansible
* Build Environments : Ant, Maven
* Application Server : Tomcat
* Version control Tools : Git, Gitlab, BitBucket
* Continuous Integration : Jenkins
* Scripting Languages : Shell Scripting, Python boto3
* Cloud Tool : AWS

**SPECIFIC PROJECT EXPERIENCE:**

**Project :**Mindsphere

**Environment**  : GIT, Java, React.js, Maven, shell, cloudfoundry, AWS.

**Role**  : DevOps Engineer

**Description:**

MindSphere is a leading industrial IoT as a service solution developed by Siemens for applications in the context of the Internet of Things. MindSphere stores operational data and makes it accessible through digital applications to allow industrial customers to make decisions based on valuable factual information.

# Responsibilities:

* Maintaining source code management tools.
* Generating the jar files for the java project using the maven build tool.
* Creating manifest.yml files to deploy applications in mindsphere.
* In the manifest file I use the application dependencies, like buildpack(java, python).
* providing the secret keys in the manifest file before deploying, which is configured in the mindsphere roles and scopes.
* Maintaining disk space quota and memory size of application.
* Configuring the developer cockpit after deploying the application intomindsphere.
* Configuring the Operator cockpit in mindsphere, integrating the developer cockpit and operator cockpit.
* Provisioning the application customer tenant account from Operator cockpit.

**Project Title**  : OBS (Ojas Business Suit)

**Role**  : Devops Engineer

**Environment**  : Gitlab, Node, Jenkins, Docker, Kubernetes, Ansible, Jfrog, Centos, Shell Script.

**Description:**

This is a complete solution which takes care of the managing the workflow from identifying prospective resources profiles to hiring, on-boarding, deployment of resources in-house and to client location. It will help businesses take care of the various operational and requirements related to recruitment and deployment of the resources. Managing all the HR related requirements like document management, managing the profiles.

Responsibilities:

* Installed and configured Jenkins for Automating build, deployments and test execution and providing a complete automation solution.
* GIT and Jenkins integrated with a set-top box for configuration.
* Implemented continuous integration using Jenkins
* Created repositories according to the structure required with branches, tags, and trunks.
* Responsible for maintaining Multiple DevOps tools & configuring across all projects GIT, Jenkins, ANT, and NAS for Artifactory Storage.
* Extensive experience in administering and configuring the Jenkins server.
* Integrated Maven with Jenkins for the builds as the Continuous Integration process.
* Managed and documented all post-deployment issues utilizing the Post Deployments Issue Log.
* Created ansible Playbooks for creating Docker images and pushing into central repository
* Created Ansible playbook to invoke kubernetes Deployments.
* Configuring Cron Jobs for continuous deployments to DEV and QA Environments by picking up builds from Jenkins using Ansible.
* Follow-up and verify the Backup regularly (Backup maintenance).

**Project : RECRUITEX**

**Environment**  : Jenkins, Ansible, Docker, Tomcat, BitBucket.

**Role**  : DevOps Engineer.

**Description:**

# RECRUITEX  is a web application in which we have four modules BDM, BDM Lead, Recruiter and Admin. This application is to track the client requirements and candidate status in the recruitment process. Here BDM will add the requirement and assign it to recruiters. Where recruiters can add candidates who are matching that particular requirement. Then Bdm Lead will shortlist that profile's own potential, willing to work in a challenging & creative environment.

# Responsibilities:

* Creating inventory in Ansible for automating the continuous deployment and wrote playbooks & roles using YAML scripting.
* Configured Ansible control machine and wrote Ansible playbooks with Ansible roles. Using modules like file, line in a file, user, etc.,
* Administering User Management, Server Maintenance, General configurations. Tomcat server maintenance, checking server logs in case of any server failures, Stopping and starting the services. Checking health using Jenkins jobs.
* Taking the developed code from Github and testing the quality of the code using sonarqube.
* Configured and deployed tools to automate the build, test, and release processes, for executing scheduled and unscheduled application builds and automating these processes.
* We have used automated builds like MAVEN as build tools on Java, android projects for the development of build artifacts on the source code.
* The Tested code is converted to war or jar or ear or images file using maven and stored in artifacts using the Nexus tool.
* Setting up an environment for different types of projects like java, android, angular etc.., and administered and implemented in Jenkins like creating users and assigning login credentials to users with a particular related project.
* Creating and maintaining docker containers in the server machine.

**Project :MobiTrack**

Environment : Maven, Jenkins, Ansible, Docker, BitBucket.

Role :DevOps Engineer

**Description:**

MobiTrak solves this problem and helps the users, who lost their valuable mobiles. Users can register their Mobile Phones with IMEI Number and the basic information and can mark as Lost Phone. In the Second Hand Mobile Market, when a Customer is buying a Mobile, they need to send SMS or Whatsapp with the IMEI Number of the Mobile they’re buying, and MobiTrak will respond by checking the database, whether it’s a Lost Phone or not, and respond immediately. If it is a Lost Phone, Customer will not buy it, and MobiTrak also notifies the user who lost the phone about this inquiry.

**Responsibilities:**

* Was responsible for managing changes in code by pulling the same through GitHub, build job as per the requirement & deploy.
* Doing automatic Deployment by using Shell Scripting.
* Creating Docker Images for microservices and deploying in Kubernetes.
* Have working knowledge on Jenkins for Build Configuration
* Configured packages, services using Ansible Shell scripts.
* Implemented a production-ready, load-balanced, high availability cluster, Using Kubernetes infrastructure.
* Integrated delivery (CI and CD process) Using Jenkins & Shell Scripts
* Created load balancing capability enabling large application scaling, used ingress rules and Ingress Controllers.
* Developed, maintained and enhanced pre and post build scripts (Shell script).
* Worked on a docker-compose tool. for maintaining containers.