# K Varaprasad Reddy.

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**Career Objective**

Extremely passionate and dedicated professional seeking an organization that persuades learning and has scope for personal and professional growth in the field of automation, configuration and deployment management.

**Professional Summary**

* Having **4+ years** of experience as **DevOps Engineer** with extensive experience **Software Configuration Management and Cloud Services**.
* Ability to manage SCM processes which include **compiling, packaging, deploying and application configurations**.
* Provisioned multi-stack servers with the help of configuration management tool, **Ansible**.
* Extensive experience in using Version control systems includes **GIT**.
* Good Understanding of agile development methodology and branching strategies required for agile projects.
* Remote system administration using tools like SSH.
* Maintaining Patches and Packages to keep the servers up to date with latest OS versions.
* Experience in Agile technologies such as **scrum**.
* Expertise in using build tools like **MAVEN** for the building of deployable artifacts such as war & ear from source code.
* **E**xperience on Automate the Build and deploy of all internal PHP, Python, Java applications to lower environments integrating using Ansible, and Jenkins.
* Expertise in building automated **CI/CD pipeline** with the help of Jenkins and version artifacts using Nexus repository manager.
* Provisioned environments using Container Tool **Docker**
* Implemented the **Docker files to create Docker images** with all requirements to run the server.
* Experience on **Kubernetes deployments yaml files** to run applications in **the Kubernetes cluster**
* Experience on AWS cloud services such as like **EC2, RDS, S3, ELB and EBS.**
* Experience on Infrastrucute as a code(**IAAS) Terraform**
* Experience of configuring highly available, secure and robust virtual private cloud (VPC) in AWS.
* Extensive experience in working with various teams such as QA, Engineers and other teams to ensure automated test efforts are strongly integrated with the build system.
* Efficient in tracing complex build problems, release issues and environment issues in a multi component environment.
* Managed environments **DEV, QA & UAT** for various releases and designed instance strategies
* Extensively worked on **Jenkins** for continuous integration and for End-to-End automation for all Build and deployments.
* Knowledge on Puppet installation and setup.
* Prepared and Maintained **Build, Release and Deployment documents**.
* Automation the setup of Environment using appropriate tools / script
* Experience in working on **Linux** operating systems such as **Red Hat and Ubunt**
* Experience in Application Programing Interface **(API)** to intracive with different application.

**Devops and other activities**

* Maintaining and automating the continuous flow from **development to deployment.**
* Process development and automation for **Agile Development** (Scrum Methodology)
* Helping developers and testers to setup their environment and trouble shooting.
* Researching, analyzing, giving demo, documentation and encouraging the teams to use new technologies for better performance and stability

**Experience:**

# Working as a Devops Engineer in SKY LAB INFOTECH PVT LTD, Bangalore from AUG- 2017 to Till Date.

**Education:**

**Bsc Degree From Srikrishna Devaraya University**,**Andhra Pradesh** in 2015.

**Technical Skills**

Cloud Environment : Amazon Wed Services,(Azure Basics)

IAAS :Terraform

Operating Systems :Red hat Linux, Ubuntu, Windows Family

Version control tools :GIT.

Build tools : Maven

Scripting Languages : Shell Scripting, Groovy Scripting, Application Servers,Web Application :Websphere, Apache Tomcat, API Continuous Integration Tool : Jenkins.

Containerization : Docker.

Ticket creation tool : JIRA, Sonar.

Configuration Management : Ansible,

Container orchestration : Kubernates

Code Quality :Sonarqube

Artifactory : Nexus

**Professional Experience :**

# Project / Client : Api Data Track

Duration **:** Sept-2017 to Jan-2019

Role **:** DevOps Engineer

**Tools/ Environment** : AWS(EC2,S3),GIT,Jenkins,Docker,Ansible,ShellScripting ,Mysql,Maven,Tomcat

# Roles and Responsibilities:

* Experience in Working with Public Cloud Platform like **Amazon Web Services such as EC2, S3, EBS, VPC, ELB, Auto Scaling, Route53, Security Groups, Cloud Watch, Cloud Front, Cloud Formation, IAM, RDS.**
* Extensively worked on creating **Multiple AWS instances, Creating Elastic Load Balancer and Auto scaling** to design cost effective, fault tolerant and highly available systems.
* Experience in **creating User/Group Accounts** and attaching policies to User/Group Accounts using AWS IAM service.
* Defined AWS Security Groups which acted as virtual firewalls that controls the incoming traffic and configured the traffic allowing reaching one or more **AWS EC2 instances** Virtual private cloud (VPC), subnets, **Internet Gateways**, **S3 bucket and route 53** under Amazon Cloud Environment.
* Setting up databases in AWS using **RDS, storage using S3** bucket and configuring instance backups to S3 bucket.
* Experience on working with Software **Versen Controll Tool GIT**.
* Extensively worked on **CI/CD pipeline Jenkins** for all builds and deployments.
* Extensively involved in installing and configuring different **monitoring tool Splunk.**
* Experience using **MAVEN** as build tools for the building of deployable artifacts.
* Experience in writing scripts (BASH, SHELL) for Continuous Deployment.
* Worked with **DOCKER** for different infrastructure setup and Testing of code.
* Worked on web servers like Apache and application servers like **Web logic, Tomcat**, and JBOSS
* Experience in Administering GIT in Distributed Environments.
* Good understanding in Software Configuration Management, and **Agile Methodologies**
* Configured plug-ins for the integration tool to the **version control tool**.

**Project / Client :** Tesco Platform Automation Service

Duration **:** Feb-2019 to Till Now

Role **:** Build and Release Engineer

**Tools/ Environment :** Git ,Maven,Jenkins,,Ansible,Docker, Linux,Kubernaties,

# Roles and Responsibilities:

* Interacted with supporting teams to understand **client deployment** requests.
* Coordinate with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts.
* Worked closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful.
* Implemented continuous integration using **Jenkins CI/CD**
* Created repositories according the structure required with branches, tags and trunks.
* Analyzed and resolved conflicts related to merging of source code for **Git and Git Hub**
* Attended sprint planning sessions and daily sprint stand-up meetings.
* Created jobs for tagging and branching.using **Git commands**
* Configured application servers (**Tomcat**) to deploy the code.
* Provisioned environments using Container Tool **Docker**
* Configured Tomcat application server for hosting web apps.
* Configured plug-ins for the integration tool to the **version control tool**.
* Utilize Jira for issue reporting, status, and activity planning.
* Extensively used **Maven** tool to do the builds**, integrated Maven to Eclipse**.
* Integrated Maven with Jenkins for the builds as the Continuous Integration process.
* Build Java code in different Jenkins servers as per the schedule.
* When required applied patches as per the release process.
* For New applications, work with development team to get the requirements of application build and deployment process.
* Once the process KT is complete from development team, write **build and deployment scripts**

according to SCM team standards and processes to QA, IST, and UAT Environment.

* After complete of the scripts development and process setup, execute the builds and deployments to all above environments based on weekly scheduled build calendar

**Declaration**

I do hereby declare that the above information is true to the best of my knowledge

Date: (K Varaprasad Reddy)