



Kaki Venkata Subrahmanyam

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An experienced, disciplined, and highly-motivated Individual who has worked on **DevOps with AWS**. An accomplished and fluent communicator with strong investigation, problem-solving and decision-making skills, combined with a pragmatic approach.

Executive Summary

- 4+ years of Experience as a DevOps Engineer with exposure to Software Configuration Management, Build and Release Management, Continuous Integration and Deployment.
- Experience providing infrastructure automation services within public and private cloud to build, configure, manage and deploy multiple number of applications in different platforms.
- Proficient in strategy and practical implementation of AWS cloud-specific services which include EC2, S3, EBS, ECS, IAM, Route53, RDS and Security groups on AWS etc..
- Good knowledge on container-based deployments of Micro-Services using Docker and Kubernetes.
- Handled large volumes of container cluster with Docker and Kubernetes.
- Virtualized the servers using the Docker for test environments and dev-environments needs and configuration automation using Docker container.

- Expert in creating Docker files, Docker images & containers Docker hub, installation and configuring Kubernetes and clustering them.
- Experience in working on source controller tools like GIT, Subversion (SVN)
- Extensive experience using MAVEN and ANT as a Build Tool for the building of deployable artifacts (war & ear) from source code.
- Extensively worked on Jenkins, Docker for continuous integration and for End to End automation for all build and deployments.
- Comprehensive problem solving abilities, excellent verbal and written communications skills.

Professional Experience

- Working with **IBM**, Hyderabad as DevOps Engineer from **Jan-2020 to Till Date**.
- Worked with **TCS**, Bangalore as DevOps Engineer from **Nov-2017 to Dec-2019**.

Academic Profile

- **B.Tech from JNTU, Kakinada**

Technical Skills

Operating Systems	Linux, Ubuntu, Windows
Cloud Technologies	AWS
DevOps Tools	Jenkins, Maven, Docker, Ansible, Kubernetes, Git, Puppet , Ant etc.
Monitoring Tools	Nagios.
Scripting Languages	Shell.
Servers	Apache Tomcat.

Professional Experience

Project - 2

Client : Greif

Role : DevOps Engineer

Duration : Jan-2020 to Till Date

Environment : Docker, Kubernetes, Jenkins, Git, Github, Maven, Ansible, Apache Tomcat & etc.

Description:

Greif is a global leader in industrial packaging products and services and is pursuing its vision: in industrial packaging, be the best performing customer service company in the world. The company produces steel, plastic and fibre drums, intermediate bulk containers, reconditioned containers, flexible products, containerboard, uncoated recycled paperboard, coated recycled paperboard, tubes and cores and a diverse mix of specialty products.

Responsibilities:

- Responsible to provide highly efficient architecture to run the application with negligible down time using Git, Maven, Jenkins, Ansible, Docker, multiple ec2 instances with load balancers to manage load requirements Architecture also includes RDS, VPC and other services of AWS.
- Software Configuration management (Automate CI & CD pipe using Ansible, Maven, Jenkins & GIT).
- Responsible for tagging and maintain code on version control GIT.
- Perform Build activities using Maven and Jenkins tool.
- Responsible for creating Builds and Deployments Planes.
- Creating War / Ear files using Maven.
- Configured Jenkins Jobs, install plugins for generating Project artifacts.
- Automate the build Process Using Jenkins jobs.
- Responsible to create branches in Git and merging branches as part of the Release management process.
- Responsible for Build and Release management using Git and Maven.
- Responsible for automating CI/CD.

- Responsible to write Docker files and Docker compose files to build docker images and containers.
- Responsible to maintain docker private repository.
- Responsible to write Ansible playbooks to automate the CD process.
- Used kubernetes to orchestrate the deployment, scaling and management of docker containers.
- Perform Deployment of War files in Tomcat application servers using Shell script and Ansible.
- Perform deployments to multiple environments like Dev, QA and UAT environments.
- Resolving the JIRA tickets for different environments of DevOps for all the projects

Project - 1

Client : Global Pak

Role : DevOps Engineer

Duration : Nov-2017 to Dec-2019

Environment : Git, Github, Maven, Jenkins, Ansible, Apache Tomcat, Docker, Kubernetes

Description:

At Global-Pak, we pride ourselves on excellent service and our bulk packaging expertise. We have more than 20 years of industry experience, giving us extensive knowledge and strong partnerships with our world-class manufacturing facilities. Global-Pak is large enough to satisfy your most demanding requirements, while maintaining the personal touch you value in supplier relationships.

Responsibilities:

- Designed CI/CD processes in the context of a Jenkins orchestration, including the usage of automated build, test/QA and deployment tools.

- Configure jobs and pipelines using Jenkins. Troubleshoot problems arising from Build failures and Test failures.
- Used GIT as source code management tool, setup push pull events to invoke builds, automation test cases from Jenkins etc.,
- Writing inventory files, ansible configuration files and Creating playbooks in Ansible for configuration and Deployment activities.
- Automating AWS cloud deployments using Shell script and Ansible configuring packages, services using Ansible modules like yum, service, templates, handlers and register etc.
- Docker images includes setting the entry point and volumes, also ran Docker containers.
- Worked on installation of Docker using toolbox & creation of custom Docker container images, tagging and pushing the images.
- Provided consistent environment using Kubernetes for deployment scaling and load balancing to the application from dev through production, easing the code development and deployment pipeline by implementing Docker containerization with multiple namespace.
- Worked on Kubernetes to manage containerized applications using its nodes, Configuring Maps, selector services and deployed application containers as Pods.
- Hands on experience in installing and administrating CI tools like Jenkins and GIT, Environments: Linux, Jenkins, Docker, GIT, Tomcat Server, Apache Server, Shell, Chef, Puppet, AWS Guidelines and published the reports.
- Identity and Access management for AWS users using IAM and configuring Roles, Groups and Custom policies for resources. Other security considerations like Multi factor authentication (MFA), Key Management Service (KMS) for servers and S3 bucket

Declaration

Here I declare that all the information mentioned above is true to the best of my knowledge and I assure that I will be compliant with the regulation and sincere with the assigned job profile.

K.V.Subrahmanyam