

**AVIDI VINEELA**

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**Back End Developer**

Aspiring to work in a challenging & creative environment where I can utilize my experience and knowledge to the best and contribute to the organization. Striving to achieve excellent results both for my career & employer and secure challenging position in the organization.

### **Professional Summary**

- Having 5.0 years of Experience in the IT industry as a DevOps Engineer with Jenkins, Kubernetes, Docker, Git, Maven, AWS and AZURE
- Having an experience on Build and Release/ DevOps engineering and configuration management.
- Expertise in supporting multiple projects during builds and release process.
- Hands on experience with version control tool like GIT, GitHub.
- Experience on GIT- Created branches, tagging, setting externals and providing access permissions to the developers over branches.
- Scripting in multiple languages on LINUX–Shell Script.
- Hands on Experience with Build Tool as Maven to generate project Artifacts.
- Experience in using nexus repository manager for maven builds.
- Hands on experience in automating build process using JENKINS CI Tool.
- Performance testing for complex systems, Build Release and environment planning, designing, implementation for projects across different technologies.
- Supporting scheduled builds using scripts and tools.
- Troubleshoot the Application related issues in production & non-production environments.
- Experience in end-to-end building and deploying and configuring process and implementation from local QA environment to UAT and Production.
- Good experience in Amazon Web Services environment and good knowledge of AWS services like Elastic Compute Cloud (EC2), Elastic Load Balancers, S3, EBS, ASG, IAM, SNS, AMI, VPC, Route53, Cloud watch.
- Cloud Watch was be used for monitoring AWS Cloud resources and applications by setting alarms and events for performance and operational metrics.
- I have experience cloud migration activities like migrate the app from one region to another region and different AZ's in AWS cloud
- I have experience migration from on-premises to AWS cloud
- Strong Knowledge in launching Amazon EC2 Cloud instance using predefined and customized AMI's and configuring with VPC's and security groups.
- Responsible for creating Amazon Machine Images (AMI) that can be utilized while implementing the Elastic load balancer (ELB) and Auto Scaling.
- Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI's and configuring the servers for specified applications.

- Docker installation and image setup.
- Creating custom image from a Docker file.
- Experience working on several Docker components like Docker Engine, Hub, Container and Docker Registry.
- Automation of build process ci/cd pipelines using Jenkins, maven, nexus, Github, ansible, SonarQube and docker, Kubernetes.
- Hands on experience on containerization using docker containerization tool and container orchestration with Kubernetes.
- Expertise on creating Kubernetes manifest files like Pod, service, and Replication controller, Replication Set and Deployments
- experience in Kubernetes cluster setup and deploying applications in Kubernetes cluster. I have experience in writing and deploying helm charts in Kubernetes
- Application deployment and environment configuration using ansible.
- Knowledge on manage entire lifecycle of infrastructure using infrastructure as code tool like Terraform.

## IT Knowledge Purview

<b>Configuration Management</b>	GIT, GitHub.
<b>Operating Systems</b>	Linux
<b>Scripting</b>	Shell Script, Groovy Script and Yaml.
<b>Build Tools</b>	Maven
<b>Web Server</b>	Apache
<b>Application Server</b>	Apache Tomcat
<b>Artifactory Repos</b>	Nexus and s3
<b>Source Code Quality Mgt Tool</b>	SonarQube
<b>Continuous Integration Tools</b>	Jenkins
<b>Cloud Environment</b>	AWS, AZURE
<b>Automation Tools</b>	Ansible, Docker, K8's.
<b>IAAS</b>	Terraform

## Work Profile

Current Designation : Back - End Developer  
List of Major Technologies : Windows, Red Hat Linux, Shell Scripting, Jira, Tomcat, Apache, SonarQube, Git, Maven, AWS, Jenkins, Docker, Kubernetes and Terraform.

## Professional Experience

- Working as a Sr software engineer with “Cognizant Technology Solutions” Hyderabad from May 2022 to till now.
- Worked as a Associate Software engineer with “JCL Systems Private Limited” from Jul 2019 to Mar 2022.

## Project Summary

### Project#3

<b>Client</b>	Cognizant Technology Solutions
<b>Role</b>	DevOps Engineer
<b>Environment</b>	Maven, Git, Jenkins, Shell Script, Tomcat, Linux, jenkins, AWS, Docker, Nexus SonarQube, Docker and Kubernetes.

### Description:

In order to win that competition, make sure that your E-commerce website is able to provide excellent customer experience. There is no magic formula for a successful E-commerce business. However, there are some major elements of an e-Commerce website that you must pay attention. As online shoppers usually don't have access to the real product, the visual appearance of what you sell online is extremely important.

### Roles and Responsibilities:

- Administration of Git tools includes creating branches, tagging, access permissions and setting up hooks.
- Experience in Creating branches and tags to separate build system after a milestone releases and Create build storage archives for back tracking builds.
- Coordinate/assist developers with establishing and applying appropriate branching, merging Conventions using Git SCM. Managing the projects in Github repository.
- Configure Maven build with Jenkins based on type of project.
- Configure SonarQube nexus email functionality with Jenkins.
- Configured git with Jenkins and scheduled by jobs using Poll SCM option.
- Continuous delivery is being enabled through deployment into several environments of development, QA and UAT using Jenkins.
- Build, release and configuration management of production systems.
- Responsible for Dockerizing applications and writing Docker files and Docker compose files.
- Configuring the Docker containers and creating Dockerfile for different environments.
- Configured docker private registry to maintain docker images for future usage.
- Responsible for creating Kubernetes manifest files like daemon sets, replica sets, deployments and managing containers and pods.
- Responsible for creating & configuring persistent volumes, persistent volume claims in k8's.
- Strong experience in Kubernetes cluster setup and deploying applications in Kubernetes cluster implemented ci/cd using Jenkins, docker & Kubernetes.
- I have experience cloud migration activities like migrate the app from one region to another region and different AZ's in AWS cloud
- I have experience migration from on-premises to AWS cloud
- Good experience in Amazon Web Services environment and good knowledge of AWS services like Elastic Compute Cloud (EC2), Elastic Load Balancers, S3, EBS, ASG, IAM, SNS, AMI, VPC, Route53, Cloud watch.
- Deploying, automating, maintaining and managing AWS cloud-based production system to ensure the availability, performance, scalability and security of productions systems.
- Installation, Configuration and Administration of Jenkins over LINUX build machines in distributed mode over Apache Tomcat and configured jobs along with various plug-in for Continuous Integration, Release Builds for AGILE and Production Branches.
- Generate CSR for certificates and install certificates in Certificate manager and configure webservers.
- Participated in Bug review meeting and release the builds to pre-production and production servers.
- Troubleshoot deployment problems, release issues and environment issues in a multi-component environment.
- Knowledge on manage entire lifecycle of infrastructure using infrastructure as code tool like Terraform.

## **Project#2**

<b>Client</b>	Dell Technologies
<b>Role</b>	Devops Engineer
<b>Environment</b>	Maven, Git, Jenkins, Shell Script, Tomcat, Linux, AWS, Nexus SonarQube, Docker, Kubernetes and Terraform.

### **Roles and Responsibilities:**

- Experience in Creating branches and tags to separate build system after a milestone releases and Create build storage archives for back tracking builds.
- Maintains and extends configuration and build sub-systems on GIT.
- Creating and maintaining the development and release branches on GIT.
- Using Maven as a build tool, I could automate the process of building artifacts.
- Implementing Jenkins continuous integration tool including installing setting the jobs/plans and setting up the tool for deployment.
- Involved in installing Jenkins on a Linux Machine. And creating a Master and Slave configuration to implement multiple parallel builds through a build
- Automated build scripts using MAVEN and Shell Scripts.
- Configured Jenkins CI tool for project and setup Nightly Builds.
- Automated the code deployment process in each environment (development, QA, Staging, Production).
- Configured a continuous integration process and interface with the operations team to ensure project artifacts are deployed automatically to various environments using Jenkins.
- Installation, Configuration and Administration of Jenkins over UNIX and LINUX build machines in distributed mode over Apache Tomcat and configured jobs along with various plug-in for Continuous Integration, Release Builds for AGILE and Production Branches. Accomplished in tool automation using Shell scripting.
- Participated in Bug review meeting and release the builds to pre-production and production servers.
- Hands on experience in automating builds and deployment process using docker containers using docker containerization tools and its orchestration tools Kubernetes.
- Performed Build and Deployment activities without any rework.
- Responsible for the deployment on Linux for Dev/ QA, staging, productions environment.
- Good experience in Amazon Web Services environment and good knowledge of AWS services like Elastic Compute Cloud (EC2), Elastic Load Balancers, S3, EBS, ASG, IAM, SNS, AMI, VPC, Route53, Cloud watch.
- Created the VPC's configured the subnets, attached the gateway and routing tables to the subnets and deployed the ec2 instances in the subnets created
- Measurement, optimization and tuning of system performance and ensuring that systems will run reliably and are highly available in a 24/7 production environment.

- Actively monitor and administer the applications and hosting environment to increase efficiency, improve reliability, and minimize downtimes.

## Project#1

<b>Client</b>	HP
<b>Role</b>	Build and release engineer
<b>Environment</b>	Maven, GIT, Jenkins, Shell Scripting, Tomcat, Linux ,Nexus, SonarQube, Apache.

## Description:

To serve as the center of commerce for the furniture, gift and home décor industries, bringing buyers and sellers from the global marketplace together in the most effective, efficient and compelling venues. Our company provides exhibitors with unrivalled access to buyers and buyers with unparalleled access to resources.

## Roles and Responsibilities:

- Setting up the new build environment for various applications in Windows/Linux environment.
- Managed to organizational standards by maintaining the source code in GIT for various applications. Setting up the new Build Environment for various products in Linux Environment.
- Configured Jenkins jobs with git and maven for generating artifacts.
- Configured Jenkins with Github webhooks to automate the integration and notifying the errors in source code to the developers.
- Maintaining the versions of Jenkins artifacts in nexus repository.
- Configured Jenkins for deployment of the application in servers
- Responsible for maintaining backups in Jenkins.
- Using Maven as a build tool, I could automate the process of building artifacts.
- Supported and helped to create dynamic views and snapshot views for end users.
- Managing/Tracking the defects status using JIRA.
- Automating the manual process if any, by writing the Shell scripts.
- Involved in deployment of the application using Tomcat.
- Configured and maintained Jenkins to implement the CI/CD process and integrated the tool with maven to schedule the builds and automated the deployment on the application servers using the “deploy to container & web logic deployer” plugins for Jenkins.

## Academic Credential

- B. Tech(ECE) (Pragati Engineering College)– Kakinada (2015 to 2019)

### **Declaration**

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date:

Avidi Vineela

Place: Hyderabad