




# SIVAIAH MERUGUMALA

AWS DevOps Engineer

## CONTACT

 8106510997  
 [sivamerugumala9@gmail.com](mailto:sivamerugumala9@gmail.com)  
 Hyderabad, Telangana

## SKILLS

**OS:** Linux (RHEL, Windows)  
**CI Tools :** CloudBees Jenkins  
**Version Control tools:** GITLAB  
**Build tool:** Maven, Gradle  
**Deployment tool:** IBM UDeploy  
**Artifactory:** Jfrog Artifactory  
**Scanning Tools:** SonarQube, BlackDuck, Checkmarx  
**Bug Tracking Tools:** JIRA  
**Testcase Management:** qTest  
**Containerization Tools:** Docker  
**Orchestration Tools:** Kubernetes  
**Cloud Platform:** AZURE, AWS  
**Infrastructure Automation:** Ansible, HPSA, AWS Cloudformation  
**Change Management:** Service Now, BMC Remedy  
**Scripting:** shell,python  
**Monitoring tools:** AppDynamics, Sitescope, Splunk, Newrelic  
**Database Tools:** Oracle, MYSQL

## ACHI EVEMENTS

- ❖ Felicitated with an award for “**CHAMPION AWARD**” in the year of 2021
- ❖ “**BEST PERFORMANCE OF THE YEAR**” in the year of 2020

## SUMMARY

Having 6 Plus Years of sound experience as AWS DevOps Engineer, Infrastructure Engineer, Build& Release Engineer. I look forward to associate with organization that can extensively use my capabilities in the field of Software Configuration Management, Build Management, Deployments and Release Management **Applications**.

## CAREER SNAPSHOT

- Expertise in Administration of CloudBees Jenkins, GitHub, SonarQube, qTest, Artifactory, Blackduck, GitLab, Checkmarx on AWS Platform
- As part of Devops plant team supported all the admin related activities in the Jfrog Artifactory, Blackduck, Cloudbees Jenkins, UDeploy, Checkmarks, SonarQube GitHub, qTest and GitLab
- Very good experience in DevOps, design and implementing CI/CD using various tools such as Github, GitLab, CloudBess Jenkins, SonarQube, Jfrog Artifactory, Blackduck, Checkmark, IBM uDeploy, qTest, AppDynamics, Splunk, Ansible, Docker, Kubernetes, Azure, JIRA, AWS, Service Now.
- Installation of plugins and software’s in Jenkins build servers and nodes
- Providing access depending on the roles in Jenkins
- Providing end to end CloudBess Jenkins tool admin support, So that it will be highly available.
- Successfully implemented and delivered the BCP activities across all CI&CD tools like Jenkins, uDeploy, SonarQube, Blackduck.
- Working with CloudBees support team for any bugs in Jenkins
- Involved in admin activities related to IBM Urban code deploy.
- Proactively worked with vendor and successfully migrated traditional BlackDuck version to containerized BlackDuck version.
- Debugging the deployment failures band make sure Relays and Agents are up to enable smooth deployment
- Successfully upgraded the SonarQube, Jfrog Artifactory, CloudBess Jenkins, IBM uDeploy,qTest,BlackDuck , Checkmarx and GitHub.
- Providing role-based access to different team on uDeploy
- Integration of CloudBees Jenkins with IBM uDeploy for Continuous Deployment.
- Continuous Delivery and Continuous Deployment through Different environments using Jenkins Pipeline.
- Proficient in implementing disaster recovery, patch management, backup procedures, strategies, security policies and auditing with report and achieving compliance.
- Create, manage, and maintain GitLab repositories and groups.
- Manage user accounts, access controls, and permissions in GitLab
- Assist with user onboarding and provide training on GitLab features.
- Configure Automated Build and Deployment activities in Jenkins server
- Good knowledge in creating packages like WAR, EAR, JAR using maven & Gradle, Ant build tools.
- Supported Vulnerability Management (Remediation & upgradation) across all CI & CD tools like Jenkins, uDeploy, SonarQube etc.
- Good working knowledge on Linux OS and commands
- Involved in most complex releases and supported Production support team in case of any issues during project deployment.
- Deployed different Applications (WAR, JAR, and EAR) in Domain and Clustered environment.
- Supporting scheduled builds using scripts and tools.
- Good knowledge in UNIX scripts.
- Wrote Scripts for implementing Build and Deployment activities

- Hands on experience in maintaining Tomcat Preproduction, DEV, QA and staging environments.
- Hands on experience in preparing release notes and distribute the same to the Development and QA TEAM
- Provided deployment support for Pre-Production and production environments.
- Exposure to SDLC Activities like Agile methodology.
- Hands on experience in using Problem management and change management.
- Provide production support for our web applications i.e. check application logs for issues, monitor production environments.
- Having Experience in Containerization technologies like Docker and Docker-Compose
- Containerized applications using Docker by creating custom docker images and maintaining them in private repository.
- Hands on Experience in deploying Kubernetes resources (Deployments, Services, ConfigMaps, Secrets etc)
- Hands on Experience in creating Pods, Replication Controllers and Deployments and Services, ConfigMaps
- Hands on Experience in Continuous Deployment using Ansible Playbooks over Various Environment
- Developing Ansible Playbooks and Roles to configure the VM's with the required packages

## SCHOLASTICS

- ❖ Bachelors of Technology in Electronics and communications Engineering from **JNTU Kakinada University** in the year of **(2017)**

CAREER TRAJECTORY		
Designation	Organization	Duration
AWS DevOps Engineer	<b>Verizon</b> (Capgemini Payroll)	July – 2022 – Till Date
DevOps Engineer	<b>Wells Fargo</b>	Feb - 2019 – July - 2022
Software Engineer	<b>IBM</b> (BSS Business Consultancy pvt ltd Payroll)	Sep - 2017 -- Feb - 2019

## MAJOR PROJECTS

### Verizon: July 2022 to Till Date

Verizon is an American wireless network operator that of Verizon Communications under the name Verizon Wireless.

### Key Job Deliverables:

- Configured and managed AWS EC2 instances for Jenkins, SonarQube, and qTest, ensuring high availability and performance through auto-scaling and load balancing.

- Integrated SonarQube with Jenkins to enforce code quality and security standards, managing projects, quality gates, and profiles for consistent code analysis.
- Successfully implemented and delivered the BCP & DC/DR activities across all CI&CD tools like Jenkins, SonarQube, qTest.
- Identify and eliminate single points of failure in systems architecture
- Configured and managed qTest for efficient test case management and execution tracking, automating the reporting and analysis of test results.
- Planned and executed upgrades for Jenkins, SonarQube, and qTest, ensuring the use of the latest features and security patches.
- Regularly update and patch systems to address vulnerabilities by performing the rehydration's
- Implementing the governance on tools like Jenkins,qTest & Sonarqube to retain the licenses and infrasture resources for better performance
- Implemented automated backup solutions using AWS S3 and EBS snapshots, ensuring disaster recovery readiness.
- Set up AWS CloudWatch, Newrelic and Catchpoint for monitoring the performance and health of Jenkins, SonarQube, and qTest instances
- Implemented and setup the autoremediations for the tools in case of any outages to make sure high availability
- Develop and implement automation for repetitive tasks, improving system reliability.
- Implement monitoring solutions to track the health and performance of systems
- configuring alerting mechanisms for proactive issue resolution.
- Managed IAM roles and policies to secure access to Jenkins, SonarQube, and qTest, conducting regular security audits and compliance checks.
- Define and measure SLOs and SLIs to ensure the reliability of services & error budgets.
- Documented configurations, processes, and best practices, providing training, and support to team members
- Working with Development team to create and build intents for repeatedly occurring issue via chatbots
- Implemented and designed the chaos Engineering experiments and remeidation plans for tools like qtest, Sonarqube using chaos kit etc
- Created and Documented the knowledge base articles and FAQ's for known issues on the Systems
- Conducting the officer hour sections to showcase the tools like Sonarqube, qTest and Jenkins

## **WELLS FARGO: Feb 2019 to July 2022**

Wells Fargo & Company is an American multinational financial services company headquartered in San Francisco, California, with central offices throughout the United States, it is the world's fourth-largest bank by market capitalization and the fourth largest bank in the US by total assets.

### **Key Job Deliverables:**

- Providing Build and Deploy support for all environments.
- Supported all the CloudBees Jenkins enterprise masters and slave related issues – Make sure all the Jenkins master and all the slaves under each master to be up and running without any issues
- Configuration of Jenkins slaves in windows,ios and Linux servers
- Performing various admin related activities on Jenkins Build servers.
- Writing shell/bash script to perform regular activities like clearing workspace, cache etc.
- Upgrading CloudBees Jenkins and slaves to latest versions
- Configuring various tools with different versions.

- Configuring automated process using CloudBees Jenkins for build and deploy.
- Installation of different software used for build and deployment process
- Implemented and Configured the Threshold limits & Alert Optimization using like AppDynamics & NewRelic
- Regularly monitoring Jira issues and resolve them with in SLA
- Debugging the deployment failures and make sure Relays and agents are up to enable smooth deployment
- Configuring automated deployment setup in IBM UCD for different applications
- Working with Application team to understand their deployment process to automate the process using Udeploy
- Installation of Udeploy Relays and agents on windows/Linux servers.
- Upgrading Udeploy server and JDK
- Involved in admin activities related to IBM Urban code deploy.
- Administration of GitHub like creating Organizations, Repositories, teams and access.
- Implemented the SRE best practices using the Monitoring tools and APM tools like AppDynamics & NewRelic.
- Developing kubernetes resources yaml files like Deployments, Services and ConfigMaps, Persistent Volumes
- Successfully upgraded the SonarQube, Jfrog Artifactory and Jenkins & uDeploy
- Developed Ansible Playbooks to configure the Jenkins Nodes with the required packages like java, maven, python and Docker
- Developed Dockerfile and customizing the Dockerfiles as per the application requirement
- Created s3 buckets for maintaining application required images and application generated receipts in high availability. Creating Volumes and taking snapshots and attaching Volumes to the Ec2 instances on demand.

---

### **IBM : Sep-2017 – Feb-2019**

The General Electric Company (GE) is an American multinational company. GE has invented the future of industry. Today, GE is best known for its work in the Power, Renewable Energy, Aviation and Healthcare industries.

#### **Key Job Deliverables:**

- Processed access requests and managed user accounts for Jira, AnthilPro, Jenkins, and Artifactory
- On-boarding new requests such as GitHub projects and Jenkins jobs
- Administration of GitHub like creating Organization, Repositories, Teams and access
- Monitored and worked on Alerts send by Appdynamics on various issues related to server availability, disk issues, CPU, memory and processes...etc.
- Acted as the first point of contact for user-reported issues, logging and categorizing them accurately.
- Good Exposure in implementation of Jira workflows ,Screens, Custom Fields and post functions
- Resolved basic issues such as login problems and navigation assistance.
- Monitored system dashboards and escalated critical alerts to L2 support.
- Maintained and updated user guides, FAQs, and provided clear

communication to users.

- Creating and configuring the slave & Agents for AnthilPro and Jenkins
  - Supporting the service management and change management tools like BMC Remedy and ServiceNow
  - Assisted in basic configuration tasks and performed routine maintenance under supervision.
  - Automate build process for the native java applications, compiling the project source code and packaging using CI tools
-