**Mobile**: +91 9148410669

# SIVAPPA U E-mail:

reddy.devops222**@gmail.com**

Having 4+ years of professional experience in IT industry with over 3.9 years of experience as a **DevOps Engineer**, build, deploy and release process with development and operations environments.

# Professional Summary:

* Extensive experience of of Implementing **DevOps** by integrating source control tools **GIT, GitHub,** Build tools like **Maven**, CI/CD tool like **JENKINS**, Deployment automation tool like Ansible, Container based tool like **DOCKER**, log management tool like ELK, Streaming tool like **KAFKA, SonarQube,** deployment of applications in **TOMCAT**, Monitoring tool like Zabbix visualization tool like Grafana and **AWS**.
* Extensive experience in Administration/Maintenance of source code repositories management systems, such as **GIT, GitLab, Bit Bucket** and other command line applications.
* Strong command on source controller concepts such as **Branches, Merges and Tags**.
* Extensive experience using **MAVEN and ANT** as build tools for the building of deployable artifacts (jar, war & ear) from source code.
* Experience on using Artifactory repos for **Maven** builds.
* Administered and Implemented CI tools **Jenkins** for automated builds.
* Experience in Repository administration for **Branching, Merging**, and Access privileges to Users.
* Handled multiple teams and coordinated the branching and mergingstrategies, helped in

# conflict resolution.

* Expertise in Open source projects from the Cloud native computing foundation,

**Blue Green deployments.**

* Involved in the functional usage and deployment of applications in WebLogic, JBoss and Apache **Tomcat Server**.
* Worked on **Jenkins** for creating and scheduling jobs and Builds.
* Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with **Ant** and **Maven** to schedule the builds and automated the deployment on the application servers using the “code deploy” plug-in for Jenkins.
* Installation and Configuration of **Docker** environment including Docker trusted registry for managing different **Docker images** and deployment of applications inside the software containers.
* Configuring the **Docker containers** and creating docker files for differentenvironments.
* Automating the manual process if any, by writing the **Shellscripts**.
* Experience in writing YAML scripts to automate the process in

# Ansible and Kubernetes.

* Strong background in **Linux/Unix Administration,** and experience in installing, configuring and troubleshooting Linux/Unix based environments.
* Launching and configuring of Amazon **EC2 (AWS)** Cloud Servers using AMI's and configuring the servers for specified applications.
* Hands on experience in **linux** and knowledge on **python Scripting.**
* Extensively worked on **AWS** services like **VPC, EC2, IAM, S3**, **CLOUDWATCH, ROUTE53, ELB, Cloud Formation, SNS**.
* Hands on writing **Ansible playbook** and **chef cookbooks**.
* Experience with Setting up ana maintaining **Kafka and ELK.**
* Documented Minutes of **Meetings**, **Build reports,** Release Notes and many other day to day documentation and Status Reports.
* Strong ability to troubleshoot any issues generated while building, deploying and in

# production support.

* Involving the **Demo Setup** machines.
* Ability to work closely with teams, in order to ensure high quality, timely delivery of builds & releases.
* Experience in Working on various kinds of configurations like code coverage tool **JACOCO**, Log Management tools like **ELK,** Distributed Streaming tool like **KAFKA.**
* Extensive working experience in **migrating** on premise applications and

**databases** to **cloud**.

* the acquisition of knowledge in **Kubernetes**.
* Hunger to Learn New Technologies.

**EDUCATION & QUALIFICATIONS:**

* **B.SC (Computers) from SV University 2012.**
* **MBA from JNT University 2014. WORK EXPERIENCE:**
* **Working as a DevOps Engineer with Accenture Pvt Ltd from Oct-2016 to till the date.**

**TECHNICAL SKILLS:**

**Versioning Tools : GIT, GitLab, Bitbucket,TFS**

**Scripting : Shell Script, Groovy , power shell**

**Build Tool : ANT, MAVEN**

**Application Servers : Apache Tomcat, Web Logic**

**Continuous Integration Tool : Jenkins**

**Configuration Management : CHEF, Ansible**

**Container Tool : Docker**

**Container Management Tool : Kubernetes**

**Artifacts Tool : Nexus**

**Server Tools : Putty,Filezilla,superputty**

**Databases : SQL**

**Bug tracking tool : JIRA**

**Streaming tool : KAFKA**

**Log Management tool : ELK**

**Operating Systems : Microsoft Windows. Ubuntu Cloud environment**

**: AWS,AZURE**

**Projects: :**

**Project # 1 : Amtrack**

Role : DevOps Engineer

# Environment : Gitlab, Jenkins, Maven, Apache Tomcat, Docker, Aws, Shell

**Scripting,Confluence,JIRA,kafka,ELK,S3,EC2,Auto Scaling etc.**

**Responsibilities:**

* + Responsible for managing the code in**Gitlab.**
	+ Involved in **DevOps** automation processes for build and deploy systems.
	+ Maintain Source Control branches, Control engineering team’s access to those branches from time
	+ to time depending on the release schedules.
	+ Used the continuous integration tool **Jenkins** to automate the daily build and deployment processes.
	+ Worked closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful.
	+ Maintained **JIRA** for tracking and updating project defects and tasks.
	+ Maintaining the Servers of **SIT,UAT & PROD Environments.**
	+ Involving the Demo setup of New machines.
	+ Responsible for the building and deploying the artifacts into **DEV**, **SIT** and **QA** Environments.
	+ Trouble shoot the **Build and Deploy issues .**
	+ Deployed code from **DEV > SIT > QA > PROD .**
	+ Responsible for backup integrity and failover / fallback strategies.
	+ Creating S3 bucket and furthermore overseeing strategies for S3 bucket and Utilized S3 bucket and Glacier for storage and backup on AWS.
	+ Launching **Amazon EC2** Cloud Instances utilizing Amazon Web Services (Linux/Ubuntu)
	+ Participate in a 24x7 **on call rotation**
	+ Working in **migrating TFS to BitBucket/Git.**
	+ Involving the setup the demo servers and configure the tools like **KAFKA, JACOCO etc.**
	+ Define and develop software for tasks associated with the developing, designing and debugging of applications.
	+ Automated the process of taking a backup of the necessary code changes, while debugging an issue, through a Script according to development team’s requirements.
	+ Creating application-software builds for development, test, and production environments.
	+ Installation and Configuration of **Docker** environment including Docker trusted registry for managing different **Docker images** and deployment of applications inside the software containers.
	+ Learn the architecture of all the applications to help trouble shoot any issues for each applications.
	+ Automate the various application tasks with Docker and Ansible to fast track the applications from development to Production by creating continuous delivery workflow
	+ Manage Change Management, Provisioning, Automation and Orchestration by using **Ansible playbooks** and **Docker file**.
	+ Configured Elastic Load Balancers with EC2 Auto scaling groups
	+ Creating S3 bucket and furthermore overseeing strategies for S3 bucket and Utilized S3 bucket and Glacier for storage and backup on AWS
	+ Launching Amazon EC2 Cloud Instances utilizing Amazon Web Services (Linux/Ubuntu)
	+ Deployed the patched in windows environment using PowerShell scripts.
	+ Backup and restore, log rotation and purging, snapshots and purging, etc
	+ Maintaining the balanced composure in high stress situations
	+ Ability to anticipate and mitigate problems proactively
	+ Helping identify code promotion qualities Including Blue/Green deployment patterns
	+ Taking the ownership and troubleshoot sophisticated systems under pressure.

# Project : KYP

Role : DevOps Engineer

Environment : GIT,,MAVEN, power shell Scripting,

Jenkins,Docker,tomcat,ELK,Superputty,Zabbix,Grafana,Sonarqube,EC2, S3,ECS,Load Balancer,AMI,Cloud Watch.

# Responsibilities:

* + Worked as a **DevOps Engineer** for a team that involves three different development teams and multiple simultaneous software releases
	+ Developed and implemented the software release management for the releaseof web applications.
	+ Used Shell scripts to automate the deployment process.
	+ Created Repositories, Branches & labels as per the organization’s standards.
	+ Troubleshooting Build & Deployment issues.
	+ Creating CI/CD pipelines
	+ continuously improving and automating the environment setup using Jnekins
	+ managing and extending our Jenkins based CI / CD environment and maintain our git repository
	+ Working Linux update and upgrade, security patches, etc
	+ Backup and restore, log rotation and purging, snapshots and purging, etc
	+ Responsible for taking the source code and compiling using **MAVEN** and package it in its distributable format, such as a JAR, WAR
	+ Provide input to documentation, troubleshooting playbooks, policies, and procedures.
	+ Work with the Platform Manager to identify potential service improvements and implement them through the change management process.
	+ Understanding of operational concepts such as deployment, change management, call times, escalations, uptime, etc.
	+ Involving the Demo setup machines.
	+ Participate in a on call rotation
	+ Configure and manage data sources like MySQL, Mongo, Elasticsearch, Redis, Cassandra, etc
	+ Implementing and improve monitoring and alerting.
	+ Maintain the PROD servers.
	+ Review system design and service distribution proposals made by theproduct teams
	+ Manage problems/defects with existing solutions and drive issues to resolution.

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