

EXPERIENCE SUMMARY

- Having 1.6 years of experience in implementation of **DevOps, Automation, Deploy, Cloud services, Build and Release** Process with various Environments.
- Hands on experience in configuration management, DevOps and Infrastructure management with automation tools.
- Experience on using version control management tool **GIT** and its web repositories in GitHub for source code storage and management.
- Experience in using Maven as build tools for the building of deployable artifacts (jar, war) from source code.
- Maintained build related scripts developed in Maven. Modified build configuration files including Maven's POM.xml.
- Experience on AWS cloud services EC2, VPC (Creating Subnets, Public and Private Networks), S3, IAM, Auto Scaling and ELB for managing the multi-tier Environments.
- Extensively worked on Jenkins for continuous integration and end-to-end automation tools for deploying.
- Experience in configuration management tool such as Ansible.
- Developing Ansible playbooks, Dockers files for different scenarios to manage the infrastructure and integrating with CI / CD (Jenkins).
- Experience on Automating the Build and Deploy of Java applications to different environments by using Ansible and Jenkins.
- Experience on using Docker for successful setup of Dev. & Test environment for Developers and Testers.
- Experience in developing Test Strategy, Test Plan, Test Scenarios, Test Case Design.

EDUCATIONAL QUALIFICATION

B. Com from sri pragathi degree college, kota , Nellore, Andhra Pradesh, India in 2020

PROJECT TIMELINE

Month 1-3: Project Setup and Planning

Goals: Define project scope, objectives, and DevOps workflows.

Activities:

- Set up a GitHub repository for version control.
- Plan and create initial infrastructure as code (IaC) using tools like Terraform or CloudFormation.
- Establish branching strategies and workflows in GitHub.

Month 4-6: Continuous Integration with Jenkins

Goals: Automate the build and testing process for the application.

Activities:

- Configure Jenkins for continuous integration.
- Create Jenkins pipelines to build and test the application automatically.
- Implement automated code quality checks using tools like SonarQube.
- Integrate Jenkins with the GitHub repository.

Month 7-9: Continuous Deployment with Jenkins and Docker

Goals: Automate the deployment process and containerize the application.

Activities:

- Extend Jenkins pipelines to include deployment stages.
- Dockerize the application for containerization.
- Set up a Docker registry to store and manage Docker images.
- Implement automated deployment to a staging environment.

Month 10-12: Infrastructure Orchestration with Docker Compose and Kubernetes

Goals: Automate the deployment and scaling of the application in a production-like environment.

Activities:

- Use Docker Compose for multi-container application orchestration.
- Explore Kubernetes for container orchestration in a more scalable environment.
- Set up a Kubernetes cluster for deploying and managing containers.
- Update deployment pipelines to include Kubernetes deployment.

Month 13-15: Monitoring and Logging

Goals: Implement monitoring and logging for the application in the production environment.

Activities:

- Integrate monitoring tools like Prometheus for performance monitoring.
- Set up logging with tools like ELK Stack (Elasticsearch, Logstash, Kibana).
- Configure alerts for critical events using monitoring tools.

Month 16-18: Continuous Improvement and Documentation

Goals: Enhance DevOps processes and document the entire setup.

Activities:

- Implement feedback loops for continuous improvement.
- Conduct regular retrospectives to identify areas for optimization.
- Document the entire DevOps pipeline, including configurations and processes.

EMPLOYEMENT SCAN

Company	Designation	Tenure
Mindtrail Technologies Pvt Ltd	Devops engineer	2020 to 2022

TECHNICAL EXPERIENCE

Operating System	Linux, Windows
Web Development	HTML,CSS
Version Control System(SCM)	GIT
Build Tool	Maven
Continuous Integration Tool	Jenkins
Configuration Management	Ansible
Containerization	Docker
Cloud Technologies	AWS(Ec2,S3,VPC,IAM,Autoscaling,ELB)
Application & Web Servers	Apache Tomcat
Ticketing Tool	Jira
Monitoring Tool	ELK
Database	MySQL
Code Review/Quality	Sonarqube
Repository Manager Tool	Nexus

Roles & Responsibilities:

- Designing, implementing and supporting fully automated Continuous Integration (CI) and Continuous Delivery (CD) processes
- Support the engineering teams regarding CI/Build tools, Environments and Automation
- Help Development teams automate the environment setup using tools like Ansible
- Setup DEV, QA and UAT environments for every sprint using Ansible
- Troubleshoot and resolve issues related to application deployment and operations
- Involved in Branching, Tagging of code delivery at required releases
- Involved in Jenkins Administrator
- Converting Ansible playbooks into roles for scalability and reusability
- Deploying the artifacts in environments like DEV, QA, and UAT with Ansible and Jenkins
- Responsibilities include developing complex build, test, provision, secure and deployment systems and providing support to a large community of developers and testers
- Develop scalable build, test and deployment systems in virtualized environments.
- Conduct Devops process planning

- Scheduling scrum meetings to the team for discussing on further plans and for resolving tickets in Jira.
- Converted and automated builds using maven. Scheduled automated nightly builds using Git. Maintained Continuous integration (CI) effort with Subversion along with scheduled builds
- Maintain track of different releases that are being carried over in different environments
- Creating War/Ear files using Maven
- Automate the build Process Using Jenkins jobs
- Helping users on day to day activities involving Check In, Check Out, and access related problems
- Date wise Daily keeping track all the Scripts
- Installed and Administered Jenkins CI for maven Builds
- Making Application, Reports and Script ready for the Release on time
- Experience in bug tracking and analyzing test results and prepared Release Notes
- Collaboration with Development, QA, Product Management on build plans & Schedules
- Involved in build/Release management and carried out the quality product in UAT and Production.
- Created and maintained various DevOps related tools for the team such as provisioning scripts, deployment tools, and development and staging environments on AWS

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