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# EPERIENCE 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**

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| --- | --- | --- |
| **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

G. Murali