VIJAY KUMAR
DevOps Engineer

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Professional Summary: 👤

Having **3.5+ Years** of Experience in Build, Deployment, Environment Support, Configuration and Release Management which includes tools like **Git, Maven, Jenkins, Nexus, Ansible, Docker** and **Kubernetes** in various **Linux** Environment.

➢ Experience in implementing **DevOps** practices and DevOps-tools in areas like **CI/CD** using **Jenkins environment automation,** and **release automation, virtualization, infra** as a **code** or **metrics tracking**.

➢ Extensively worked with Version Control Systems **GIT**. Branching, Merging, and user group permissions and implemented **Branching Strategies** (In GIT).

➢ Monitor builds and provide proactive **support** to resolve any **build** issues.

➢ Hands on using **MAVEN** build tool such as build a project as per **maven** required life cycle.

➢ Experience with **Shell Scripting** and **Bash**.

➢ Deploying the **jar** and **wa**r into **Tomcat** Application Server.

➢ Experience in Installing, configuring and maintaining **Tomcat** Server.

➢ Experience on Artifactory management tools like **Jfrog, Nexus**.

➢ Expertise in setting up **Continuous Integration** process with **Jenkins**. Configured multiple build **jobs**, master/slave setup, integrated test cases and **Plug-ins** using **Jenkins.**

➢ Automated the deployments to **DEV** and **QA** Environments by picking up **builds** from **Jenkins.**

➢ Managing Continuous Integration and Continuous Delivery (**CI/CD**) using Jenkins and release management using **SonarQube**.

➢ Integrated **SonarQube** with Jenkins for continuous inspection of **code quality.**

➢ Expertise in Creating **Docker container**s, Docker **images,** files, volumes and **Docker Networking.**

➢ Hands on experience in configuration management tools like **Ansible.**

➢ Hands on setup **Ansible** Control Machine, **Hosts** and **YAML** files.

➢ Hands on **playbooks** for configuration and application **deployments**.

➢ Worked on Multiple **AWS** instances, set the **security groups**, **Elastic Load Balance**r and **AMI**s, **Auto scaling** to design cost effective, fault tolerant and highly available systems.

➢ Experience with **Amazon Web Services** Creating, configuring and Managing **EC2,VPC,S3,EBS,ELB, CloudFront,IAM**, **Route53, RDS**, **SNS** and **CloudWatch.**

➢ Experience in implementing and adapting to **Release/Change Management** Process.

➢ Work with developers and release management to **design and implement delivery pipelines.**

➢ Experience in **Kubernetes** clustering, configuration, Architecture and services.

➢ Good knowledge on **Microservice-Architecture**, managing with **Kubernetes** cluster.

➢ Knowledge over creating **Pods**, Replication Controllers and deployments and creating Services for **Load Balancing.**

➢ Managed environments **DEV, QA, and UAT** for various releases & designed instance strategies.

- Having good troubleshooting skills which helped in build, deployment, infrastructure and network related issues.

Professional Experience: 💼

- Working as **DevOps Engineer** with **Tech Mahindra Ltd, Bangalore** from **Nov - 2017** to Till Now.

Technical Skills: 🏷

Source Code Management Tools	**GIT**
Build Tools	**Maven**
Scripting	**Shell Scripting, Bash**
Artifactory Tools	**Nexux, Jfrog**
Application Server	**Apache Tomcat, HTTP**
Containerization (Orchestration) Tools	**Docker, Kubernetes**
Continuous Integration Tools	**Jenkins**
Static Code Analysis	**SonarQube**
Cloud Computing Services	**Amazon Web Services (AWS)**
Configuration Management Tools	**Ansible**
Monitoring Tools	**CloudWatch**
Ticket Tracking Tool	**JIRA**

Education: 🎓

- **Bachelor** of **Science** from **Rayalaseema University** with an aggregate of **73%** in **2017.**

Project Profile#: 🏍

Project #1: 🛒
Project Name   : Coles
Role   : DevOps Engineer
Tools   : Git, Maven, Jenkins, Docker, Kubernetes, SonarQube, Jira, Nexus

Role & Responsibilities: 👥 🔍
- Actively involved in administration of source control tools.

- Experience in build & distribution approaches in distributed environment.

- Handled software configuration management issues and coordinated with development CI/CD tools implementation.

- Monitor the production environments by performing regular monitoring alerts and Setup of CloudWatch Server/Clients.

- Get in touch with different teams and implementing Continuous Integration.

- Source code management with Git by pushing, pulling, creating repositories, commit and repository pulling through CI tools. Administration and implementation of GIT.

- Using Jenkins Configured multiple build jobs, master/slave setup, integrated test cases, created distributed build environments, and performed plug-in installations, backup etc.

- Creating Docker containers, Docker images and Docker files

- ➢ Building instances and managing storage on cloud using AWS EC2, EBS and S3. Utilized Cloud Watch to monitor the resources and also used Route53 for DNS Management.
- ➢ Administrating and Maintaining the Nexus artifact repository.
- ➢ Used Jira to track issues and change management.

Project #2:

Project Name   : Health care
Role   : Build and Release Engineer
Technology   : Git, Maven, Jenkins, Docker, Ansible, Tomcat, Nexus, JIRA

Role & Responsibilities:

- ➢ Performing builds using GIT, creating new branches and setting up the build environment, defining new targets, dependencies and proper search paths.
- ➢ Maintaining the source code and performing deployments towards TEST/UAT/PROD environments and troubleshooting on various servers in case of failures.
- ➢ Installed Continuous Integration Server Jenkins as a service, configured the projects on Jenkins and automated the build, deployment and test execution on all the target platforms. Shared the nightly build results with the teams.
- ➢ Used Ansible for Configuration Management and Deployments.
- ➢ Troubleshoot the nightly build failures and alert the respective development teams for quick solutions.
- ➢ Experience of merging changes from release branch to depot and resolving the conflicts occurred at the time merge process.
- ➢ Involved in writing shell scripts for compilation and deployment process.
- ➢ Supporting developers by creating repositories, staging profiles, staging repositories, permissions.
- ➢ Work with teams and project managers to deliver quality software within schedule constraints.
- ➢ Communicated with all levels of engineering, management, development and test teams.