

G Vinod kumar

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Objective

To work in a creative and challenging environment where I can utilize my skills for developing my career and for the growth of the organization.

Professional Summary

- **3 years** of experience in the **IT industry as a Software Engineer in DevOps.**
- Proficient in **DevOps** Tools.
- Expertise in Automation Tool **Jenkins.**
- Hands on experience in **Ansible, Docker, Maven** and **Jenkins.**
- Hands on experience on Version Control Systems like **GIT** and **GITHUB.**
- Used Git extensively in every project to store all kinds of code.
- Experience in understanding of **Git stages** like **workspace, stage/index, local repository** and **central repository** also **cleaning git repository.**
- Aware of some advanced concepts like **Ignoring git file, Git stash, git rebase, git bisect, git squash** and **git cherry pick.**
- Experience understanding between **git reset** and **git revert** concepts.
- Experience in Installing and configuring build tools **Maven/Ant.**
- Experience in **Maven** architecture and Maven's main configuration file **POM.XML** and Multi Module projects to avoid manual builds.
- Complete hands on experience in working with Jenkins like establishing complete **Jenkins CI-CD pipeline, managing & assigning roles**, certain **privileges** with respect to **user accounts**, working with **slaves, restrict labels in slaves, upstream projects** and **downstream projects.**
- Experience of **docker**, its components and **docker workflow.**
- Experience in Docker concepts like **OS level virtualization** and **Union file system, layered file system** which docker follows.
- Experience in **pulling docker images & creating from docker file.**
- Experience in working with **docker volumes** and **sharing volumes** among containers and between container and host.
- Experience in using all kinds of **dockers instructions in Docker file.**
- Experience in creating demonized **docker containers & port mapping in Docker.**
- Experience in setting up the **docker registry** server to **push images to docker hub.**
- Well-aware of Installation and Configuration of **Ansible.**

- Experience in dealing with inventory file and host patterns, Idempotency concepts, modules, and writing Playbooks, experienced in **YAML**.
- Experience in **Ansible Roles** by including all sections inside **Ansible Playbook**.
- Launching **Amazon EC2 Instances** utilizing Amazon Web Services (Linux/Ubuntu).
- Experience in using **Cloud Watch monitoring service**, aware of default and detailed monitoring.
- Basic knowledge in Bash shell scripting.
- Experience in using **Zabbix** tool for monitoring CPU utilization.
- Experience in **Terraform** to create **AWS** infrastructure.

Academics

- Msc (Computer Science) with **66.5%** from **Sri Venkateswara** University, Tirupat in the year of 2018.

Career History

- Working as a DevOps Engineer for **Capgemini** from March 2018 to till date.

Technical Skills

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|---------------------|---|
| ❖ Languages | : YAML & Bash Shell Scripting |
| ❖ DevOps Tools | : GIT, Docker, Ansible, Jenkins, Maven, Terraform and Jira. |
| ❖ Linux | : Cron job, Enhanced user security with Sudo privileges, back up & restore (tar and gzip), Deploy automation. |
| ❖ Servers | : Web Server and Tomcat server |
| ❖ Operating Systems | : Windows, Linux, Ubuntu. |

Professional Experience

Project Assignment 1:

- Name : Pet Clinic.
- Role : DevOps Engineer.
- Environment : GIT, Maven, SonarQube, Nexus, docker, YML, Zabbix, Kafka, Tomcat, JBoss, AWS, MySQL.

Responsibilities:

- Launching **Amazon EC2 Instances** utilizing Amazon Web Services (Linux/Ubuntu).
- Installed and configured **GIT** and **GitHub** in organization, Well versed in managing SCM repositories like Git, GitHub.

- Installed and configured **Jenkins** in both windows and in Linux machine.
- Installed and configured java as pre-requisite to install Jenkins and Integrated many tools with **Jenkins** like Git, Maven/Ant, JUnit/Selenium, Tomcat webserver.
- Configured build tools like **Maven/Ant** and Integrated with **Jenkins**.
- Installed many plug-ins like **GitHub, Ant, check style, JUnit, Deploy to container, and build-pipeline**.
- Created free style projects, maven projects and configured **upstream projects**.
- Configured Scheduled projects by enabling **POLL SCM** to run projects frequently.
- Established complete **Jenkins CI-CD pipeline** and automated complete workflow of build and delivery pipeline.
- Created **Docker containers** for client environment.
- Configured and installed **Tomcat server** in Ec2 instances using **Docker containers**.
- Established complete pipeline workflow starting from pulling source code from git repository till deploying end-product into **Tomcat server**.
- Configured and installed **Ansible** for creating infrastructure.
- Written **YAML playbooks** to install & configure software's using **ansible server**
- Created **Zabbix** services for monitoring CPU utilizations.

Project Assignment 2:

- Name : United Health Group.
- Role : DevOps Engineer.
- Environment : Git, Docker, Ansible, Jenkins, Jaco, Sonar, Jira, ELK, Confluence, Tomcat, AWS, Terraform.

Responsibilities:

- Installed **Terraform** for creating **AWS** infrastructure using **scripts**.
- Worked as a **DevOps Engineer** for a team that involves three different development teams and multiple simultaneous software releases.
- Installed and configured **GIT** and **GitHub** in organization, Well versed in managing SCM repositories like Git, GitHub.
- Configured build tools like **Maven** and Integrated with **Jenkins** and also **Junit** for **check style report**.
- Installed and configured java as pre-requisite to install Jenkins and Integrated many tools with **Jenkins** like Git, Maven/Ant, JUnit, Tomcat webserver.
- Installed many plug-ins like **GitHub, check style, JUnit, Deploy to container, and build-pipeline**.
- Created free style projects, maven projects and configured **upstream projects**, Configured Scheduled projects by enabling **POLL SCM** to run projects frequently.
- Established complete **Jenkins CI-CD pipeline** and automated complete workflow of build and delivery pipeline.

- Installed and configured **docker** for creating **docker containers** for **testing application** in client environment.
- Installed **ansible** for creating **infrastructure** using **YAML script playbooks**.
- Using **ansible** created playbook for installing and configuring **Tomcat server** in **webserver**s.
- Established complete pipeline workflow starting from pulling source code from git repository till deploying end-product into **Tomcat server**.
- Created **Cloud watch** services to Ec2 instances for monitoring CPU utilizations.

Declaration

I hereby declare that all the above information given by me is true to best of my knowledge and I hold the responsibility of the above-mentioned information.

G VINOD KUMAR