Arun Kumar

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DevOps Engineer

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Summary of Qualifications and skills:

- ❖ **Hands-on Git, Github, Bitbucket, and CI/CD with Jenkins.**

- ❖ **Worked as a DevOps Engineer in MCSSYS Technologies, (AWS, Linux, Git, Github, Bitbucket, Docker, Kubernetes.)**

- ❖ **Atlassian Tools Administration like JIRA and Confluence.**

- ❖ **Very well known-as Azure DevOps.**

Tools & Technology Expertise:

- ❖ **VERSION CONTROL** : **Git, Github, Bitbucket**

- ❖ **OPERATIING SYSTEMS** : **Windows, Linux and Ubuntu**

- ❖ **CI/CD TOOL** : **Jenkins**

- ❖ **TESTING TOOL** : **Selenium, JUnint**

- ❖ **CODE QUALITY TOOL** : **SonarQube**

- ❖ **CLOUD COMPUTING** : **AWS**

- ❖ **BUILD AUTOMATION TOOL** : **Maven**

- ❖ **MONITORING TOOL** : **Grafana, Prometheus**

- ❖ **CONTAINER & ORCHESTRATION** : **Docker, Kubernetes**

TECHNICAL SKILLS:

- ❖ **All git and DevOps tools support to the Users**

- ❖ **Install Jenkins and maintaining.**

- ❖ **Integrate Jenkins with git, bitbucket, JIRA.**

- ❖ **Install and upgrade JIRA, Bitbucket.**

- ❖ **Making master and slave server configuration for Jenkins.**

- ❖ **Writing Jenkins file for CI/CD automation.**

- ❖ **Making slaves with needed configurations and applications.**

- ❖ **Install required plugins in Jenkins based on configuration.**

- ❖ **Analyze Jenkins build error and get it resolved.**

- ❖ **Configure automated build on every push and pull requests.**

- ❖ **Configured daily builds in Jenkins.**

- ❖ **Automated code quality check setup.**

- ❖ **Automated unit tests through Jenkins.**

- ❖ **Taking backup and clean up Jenkins builds to maintain space in server.**

- ❖ **Creating EC2 instances for our requirements.**

- ❖ **Installing Docker, Jenkins, and Kubernetes on EC2 instances.**

- ❖ **Configure the Subnet, internet gateway, route table for VPC in AWS.**

- ❖ **Creating S3 bucket and upload the files into bucket.**

- ❖ **Installing Docker and setup Docker environment.**

- ❖ **Docker pull, Docker search, Docker tag and Docker push images to docker repository.**

- ❖ **Writing Docker file to build docker image**

- ❖ **Start and running docker containers using docker images.**

- ❖ **Docker build, run and commit.**

- ❖ **Add and copy required data to docker container.**

- ❖ **Creating docker image and push it through Jenkins as an automation process**

- ❖ **Installing Kubernetes and cluster management.**

- ❖ **Deploy docker images on Kubernetes cluster.**

- ❖ **Manage and Installing Virtual Machine.**

- ❖ **Manage and install then monitoring to Grafana.**

- ❖ **Install and uninstall Prometheus.**

- ❖ **Train new DevOps engineers on required tools and configurations.**

NETWORKING SKILLS:

- ❖ **DNS   : Known as Purchasing domains.**

- ❖ **DHCP   : To create and allocate the IP address in pc and desktop.**

- ❖ **NFS   : To share and view the data's using NFS.**

- ❖ **SSH   : We can provide secure files in using SSH concept.**

- ❖ **LDAP   : To serve as a central hub for authentication.**

- ❖ **NAS   : To add private cloud to using NAS.**

EXPERIENCE:

COMPANY NAME	WORK	EXPERIENCE
MCSSYS	DevOps Engineer	From Jan 2021 to till Now

EDUCATION:

B.sc computer science-TKS College of Arts and Science, Theni, at 2019.

M.sc computer science- Sri Ramakrishna College of Arts and Science, Coimbatore, at 2021.