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# Summary:

As 2+ years of experienced DevOps engineer is responsible for continuous integration and continuous deployment. A solid understanding of automation tools and how they are used, including Git, Jenkins, Dockers, Kubernetes, GitLab, Splunk, Grafana, AWS, Shell scripting, Kafka, Jira, SonarQube, and Maven, Terraform, Azure Services.

# Key Deliverables:

* In **AWS** tools EC2, S3, IAM, EBS, EFS and creating snapshots and AMIs, volumes and snapshots, attaching and detaching volumes and creating own AMIs for replication of the same environment in same/different availability zones as well as regions.
* Creating the **Kubernetes** cluster, managing them with Namespaces and monitoring with UI tool (offset explorer).
* Hands-on experience in working with **Git, GitHub** and **Gitlab**.
* Having hands-on experience in **Linux commands** and Shell Scripting.
* **Terraform** scripts for Manage the Kubernetes cluster.
* Implementing the **Alerts in Grafana and** **Splunk** to find Kubernetes errors.
* Renewing the **NCLM** certificates and patching them with the ingress.
* Creating the **Grafana and Splunk** Dashboards to monitor the entire Kubernetes cluster, AWS and Kubernetes services.
* Worked on implementing the Multiregional Kafka cluster. Experienced in rotating the **Kafka key**.
* Proficient in Administrating Azure IaaS/PaaS services like compute Azure Virtual Machines, Web and Worker roles, Network services, **Azure DevOps**, **SQL Databases**, Storages, Azure Active Directory, Monitoring Auto scaling PowerShell Automation, Azure Search, DNS, VPN.
* Hands on experience in writing Azure Resource Manager (ARM) to deploy, update and delete multiple resources in Azure and migrating the on-premises resources to Azure with **Azure Site recovery** (ASR) and **Azure backups**.

## Education:

✔ MCA (Computer Applications) graduate from Maharani Science College for Women – 2021.

## Employment Details:

✔ TestYantra Software Solutions India Pvt. Ltd. (Sep- 2021 to till Date) – DevOps Engineer.

## Skills:

* Cloud Platform: Azure, AWS
* Source code management: Git, GitHub, GitLab, Azure Repos.
* Infrastructure management tool: Terraform
* Configuration Management tool: Ansible
* CI/CD tools: Jenkins, Azure pipelines, GitLab pipelines
* Containerization Tool: Dockers, Kubernetes
* Build tool: Maven
* Bug/Ticket Tracking Tool: Jira, Pier, Zendesk
* Scripting and Programming: Java, SQL, Shell Scripting, Python
* Databases: MySql
* Application/Web servers: Apache Tomcat, NGINX

➔ Operating System: Unix, Linux and Windows

* Streaming Tool: Kafka
* Monitoring Tool: Grafana, Splunk, Prometheus, Azure Service Health, Azure Network Monitor
* Certificate Manager: NCLM, AWS Certificate manager.

**Project & Responsibilities:**

**Project 1: Smartek21, T-Mobile USA Inc.**

* SMPD (T-Mobile) Social Media Product Development(SMPD) is all about supporting and solving concerns of their respective consumers through environment called **Live Engage** (Messaging Channels) and **Khoros** (Social Media Channels) where SMPD has developed widgets to make It more effective for the Agents as well as for the consumers.
* Monitor the infrastructure and resolve **Kubernetes** services issues and analyse logs for the respective services using **Splunk** logs. Best use of monitoring the down time of production that can be identified instantly with by setting up **Grafana** Dashboards and **Splunk Logs**.
* Domain renewal in the network level with the use of **NCLM** certificate renewal and patch **Kubernetes** ingress and **AWS Certificate manager** used in free flow Kubernetes ingresses.
* Checking the **CPU and Memory** utilization in Grafana, when certain K8 Alerts and Grafana alerts are received.
* Creating tickets for third party issues. Handle **Pacbot** violations by performing patching and updating for the respective EC2 instances. Created **Kafka** clusters with and without Zookeepers, checking Kafka brokers after patching either using tools or in Grafana.
* Cloud Security with AWS, Managing the cloud infrastructure with best practice under **AWS Security**.
* Managing **Kubernetes** cluster by automating restarts and scaling process with shell scripting.

**Project 2: Dover, Hydro-Connect**

* Experience implementing Azure services such as **Azure Active Directory** (AD), **Azure storage**, Azure cloud services, Azure **Resource Manager** (ARM), Azure **Blob Storage**, Azure VM, SQL Database, Azure Functions, Azure **Service Fabric**, Azure **Service Bus**.
* Working knowledge in deploying CI/CD system using **Azure DevOps** on **Kubernetes** container environment, and for the runtime environment of CI/CD system to build, test and Deployment we have utilized **Kubernetes** and **Docker**.
* Working experience with **Azure Resource Manager** (ARM) to deploy, update, and delete multiple Azure resources, as well as migrating on premise resources to Azure with Azure site recovery (ASR), and Azure backups.
* Used Azure DevOps services such as **Azure Repos**, **Azure Boards**, and **Azure Test Plans** to plan work and collaborate on code development, built and deployed application.
* Developed, maintained and provided the team with Various **Azure DevOps**-related tools like deployment tools, staged virtual environments, and provisioning scripts services in Azure.
* Experience with version control tools such as **GIT** and **Bit Bucket** Comprehensive knowledge of source controller concepts including branches, tags, and merges
* Developed build and deploy scripts using **MAVEN** and activated them using Jenkins to migrate from one environment to another.
* Worked with **Azure Monitoring** tools such as **Azure Log Analytics**, Azure Network Watcher, and Azure Service Health to diagnose and minimize service degradation.
* Experience in using the monitoring tools like Azure monitoring to setup the desired alerts to avoid disruption.
* Follow up the tickets through **Zendesk** for user requests for the issues.