

# SRE & DevOps Engineer

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## Professional Summary

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- ✓ Having **5** years of **IT** experience as **Cloud & DevOps Engineer/SRE/DevOps Specialist** with strong skills in DevOps implementation, Configuration management, automation and optimizing mission-critical deployments in Cloud and setting up, maintaining CI/CD pipelines, delivering releases for multiple Applications running on Linux/Windows based Infrastructure.
- ✓ Well versed with DevOps concepts, Continuous Integration, Continuous Delivery, Continuous Deployment and Continuous Monitoring
- ✓ Proven experience in Implementing Branching Strategy and managing Version Control tools. **GIT** and **Azure Repos.**
- ✓ Managed complete project cycle right from requirement analysis to system study, build and release management, deployment, coding, testing, de-bugging, documentation, and implementation.
- ✓ Having proven experience in automating build and release processes using **Jenkins, Azure Pipeline, GitLab.**
- ✓ Having Good hands-on experience with **Microsoft Azure** (VM, Storage account, Azure Key Vault, VNet, NSG, Load balancer, App Service, logic app, ADF, Azure Databricks, AKS, Azure SQL Server, Traffic Manager, CDN, App gateway, DNS Zone, ACR etc.) and **AWS** (EC2, S3, VPC, Glacier, knowledge in boto3).
- ✓ Proven Good experience in configuration management tool **Ansible Tower (ansible playbooks).**
- ✓ Analyzing application logs using **Kibana** to determine the possible root cause of issues and report errors directly to the Dev team.
- ✓ Hands-on experience in Infrastructure-as-code tools **Terraform, ARM Templates** and Good Knowledge in **Python.**
- ✓ Proven experience on continuous Build and Deploying to multiple environments DEV, SIT, UAT and Prod Environments using **Azure Pipeline.**
- ✓ Having Experience on Azure Boards, Azure Repo, Azure Pipeline, **Azure CLI.**
- ✓ Good Working experience with CI/CD tools are **Jenkins, Azure DevOps, GitLab.**
- ✓ Excellent problem-solving skills, good communication and interpersonal skills
- ✓ Good working Knowledge on Containerization Tool **Docker** (Docker file, Docker images)
- ✓ Hands on experience on containerizing Web Application and storing Docker images in ACR.
- ✓ Good understanding in Azure Backup and Restoring Deleted VMs, setting up **DR clusters.**
- ✓ Extensively Worked with **Azure Kubernetes Services (AKS), Helm charts.**
- ✓ Worked on various **Kubernetes objects** are Ingress, Ingress Controller, namespaces, Service, Secrets, configmaps, health probs, deployments, pods, pv, pvc, taint and tolerance.
- ✓ Working Experience in **SDLC** process, **Agile** methodology.
- ✓ Experience in deployment strategies: **Canary** and **Blue-Green** deployments
- ✓ Having Hands-on experience in **Apigee** (Micro gateway, SAAS Proxies, API Product, Dev App).
- ✓ Strong ability to troubleshoot any issues generated while building and deploying in SIT, UAT and Production Environments.

## Technical Skills

Cloud Platforms	Microsoft Azure, AWS
Orchestration Tools	Kubernetes, AKS
Version Control Tools	GIT, GITHUB
Build Management Tools	Maven, NPM, NuGet
CI/CD Tools	Jenkins, Azure DevOps, GitLab
API Management	Apigee, Microgateway
Infrastructure as Code	Terraform, ARM Templates
Monitoring Tools	ELK, App Insights, Prometheus, Grafana, Dynatrace
Containerization Tools	Docker, ACR
Programming/Scripting	J2SE, Python, YAML, Shell scripting
Configuration Management	Ansible, Ansible Tower
Database	Azure SQL DB, Oracle
ETL	Azure Data Factory
Security/code quality tools	AquaSec, credscan, Sonar Qube
Ticketing	Jira, ServiceNow
Web Servers	Nginx, Tomcat
Operating Systems	Linux, Windows

## Work Experience

### Talent Burst Inc

**Client: BNP Paribas, Montreal - Canada Sept 2023 – Present**

**Role: Site Reliability Engineer**

#### **Responsibilities:**

- ✓ Developed Apigee plugins and customizations for various flavors such as Micro gateway for VM, WebApp, Kubernetes.
- ✓ Worked as Apigee support where deployed Micro gateway/**SAAS** proxies for different clients and troubleshooted different issues related to Kubernetes and applications.
- ✓ Creating Alarms in Prometheus for Monitoring the server's performance, CPU Utilization, disk usage etc.
- ✓ Involved in Maintenance activities such as patching, server upgradation, troubleshooting issues and monitoring alerts. Troubleshoot operating system, database, application performance issues and provided quick fixes
- ✓ Prod deployment activates and configuration changes on a needy basis and Assisted Junior resources, worked with SMEs to troubleshoot priority issues based on SLA's
- ✓ Perform root cause analysis for recurring issues and work with application owners for L2, L3 support and supported on weekends for scheduled maintenance and outages.
- ✓ Worked with Apigee Micro gateway enhancements: Rate limit, **CORS**, apim-extauth, **okta**, **OAuth2**, provided technical support & resolved issues.
- ✓ Contributed to disaster recovery planning and execution, minimizing data loss and downtime during critical events.
- ✓ Performed monthly, weekly activities and validating the data using the existing report.
- ✓ Established coding standards and enforced them through automated tool **SonarQube**.

- ✓ **Debug, Troubleshoot** and resolve complex issues. Worked on service now tickets, incidents, and change management.
- ✓ Responsible for deploying & testing RESTful API's, consumer's and updating/renewing client certificates using postman and troubleshooting 5xx, 4xx issues
- ✓ Worked with Apigee Proxies, API product, Developer Apps and **debugged** different issues faced by clients
- ✓ Working with developers for creating an automated, efficient delivery pipeline that helps build software rapidly, efficiently using GitLab & Jenkins CI/CD tools.

**Environment:** Apigee, Kubernetes, Jenkins, AquaSec, Ansible tower, ELK, Prometheus, ServiceNow, Jira, RHEL, Gitlab, and shell script, Python, Dynatrace.

## **LTIMindtree, Hyderabad - India Mar 2022 – Jun 2023**

### **Role: Cloud DevOps Engineer**

#### **Responsibilities**

- ✓ Responsible for Azure Admin activities i.e., Landscape access (RBAC access) on subscription & resource level.
- ✓ Attended Sprint Planning, Retrospective and daily Scrum meetings
- ✓ Design & Perform Proof of Concept(POC) for validating application integration with Cloud.
- ✓ Experience in creating Azure CI/CD pipeline (Build & Release) from scratch using both classic, **YAML** based pipelines
- ✓ Supported application running on Azure managed **AKS** clusters, where applications fetch data from Azure storage account for the service running on them.
- ✓ Responsible for creating Build and Release pipeline in the Azure DevOps and provisioned Azure Resources using Azure pipelines.
- ✓ Implemented the branching strategy to make sure deployment activities take place in respective orders from Dev to SIT and SIT to UAT then UAT to Prod.
- ✓ Provisioned VM instances and created and configured load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
- ✓ Created and deployed a liveness probe to detect error responses from the application and restart unhealthy containers.
- ✓ Identify, **troubleshoot**, debug and resolve complex issues related to the Kubernetes, deployment and build release issues.
- ✓ Configuring Custom domains and **TSL/SSL certificates** for app services. Renew and deploy **TSL/SSL certificates** to maintain application security to the best standards.
- ✓ Have extensively worked on Azure Pipeline (setting up Pipeline and Deployed to Higher Environments) using both classic and YAML based pipelines.
- ✓ Worked with Docker images /containers and written Docker files for various applications.

**Environment:** Docker, Terraform, Apigee, Azure, Git, Helm, GitLab, Azure DevOps, AKS, Python, shell script, Kubernetes

**Accenture, Bangalore - India****Jan 2020 – Mar 2022****Role: DevOps Engineer****Responsibilities**

- ✓ Used Maven as a build tool to generate JAR, EAR, WAR and configured in Jenkins and deployed in tomcat web server.
- ✓ Handling complete build and release Process including code, document and supporting dev and QA team and implemented Branching Strategy.
- ✓ Responsible for automating manual tasks such as fetching daily reports or processing logs or running cron jobs by writing shell scripts or using python.
- ✓ Worked on building Terraform Modules to Provision infra in the public cloud Azure and AWS Services such as shared VM, EC2, S3, AKS, VNet, VPC, EKS, ACR, Azure Front Door, Traffic Manager, ADF, LB Azure Key vault, Storage account and Azure SQL DB, App Service.
- ✓ Having good experience on creating ADF Pipelines for data ingestion with metadata driven pipeline.
- ✓ Worked closely with peers and internal SMEs to manage the resolution of customer issues as quickly as possible.
- ✓ Reduce timelines for successful pipeline deployment using Terraform, Ansible tower.
- ✓ Designing, Deploy & manage micro-services-based applications deployed on Kubernetes clusters, Azure Kubernetes Services using Helm charts.
- ✓ Debugged issues related to Kubernetes such as OOM, CrashLoopBackOff, ImagePullBackOff, config issues etc.
- ✓ Responsible for converting the legacy monolithic application into micro-service architecture. worked as a team player in containerization of the newly created microservices.
- ✓ Involved in making connectivity between Azure Databricks and ADLS Gen2 with SPN. Involved in end-to-end processing with Azure Data Factory and Databricks.
- ✓ Designed and implemented Highly available Jenkins server and set up Jenkins master slave configurations and responsible for writing Jenkinsfile for various applications
- ✓ troubleshooting different issues in Kubernetes, while setting up CI/CD pipeline and building and deploying solutions to PROD Environment using Blue-Green Deployment .

**Environment:** Jenkins, Azure, AWS, AKS, ADF, ADB, Maven, Azure DevOps, Terraform, Ansible, shell script**Certifications**

- ✓ AZ-900
- ✓ AZ-104

**Education**

- ✓ Bachelor's in **computer science** from Jawaharlal Nehru Technological University, Hyderabad with an aggregate of 63%.
- ✓ Intermediate(MPC) from Sri Chaitanya Jr College, Hyderabad with an aggregate of 68%.
- ✓ SSC from Narendra High School with an aggregate of 89%.