Cloud DevOps Engineer



**RAJASHEKAR KUNTA**

**Email:** [**rajashekarkunta513@gmail.com**](mailto:rajashekarkunta513@gmail.com) **Mobile # +1(438) 779 3366**

**Professional Summary**

* Having **5+** years of **IT** experience as **DevOps Engineer/Build & Release/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 process using **Jenkins, Azure Pipeline.**
* Having Good hands-on experience with **Microsoft Azure (**VM, Storage account, Azure Key Vault, VNet, NSG, Load balancer, App Service, logic app, AKS, Azure SQL Server, Traffic Manager, App gateway, ACI, 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 reporting 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**.
* 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, 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**

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| **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 |
| **API Management** | Apigee |
| **Infrastructure as Code** | Terraform, ARM Templates |
| **Monitoring Tools** | Kibana, Splunk, App Insights |
| **Containerization Tools** | Docker |
| **Programming/Scripting** | J2SE, Python, YAML, Power Shell |
| **Configuration Management** | Ansible Tower |
| **Web Servers** | Nginx, Apache Tomcat |
| **Operating Systems** | Linux, Windows |



**Work Experience**

**Client: EY, Montreal Mar 2022 – Present**

**Role: Sr. Cloud DevOps Engineer Responsibilities:**

* + Developed Apigee plugins and customizations for various flavors such as Micro gateway for

VM, MG for WebApp, MG for AKS.

* + Worked as Apigee support where deployed Micro gateway/SAAS proxies for different clients and troubleshooted different issues related to Kubernetes and applications.
  + Responsible for creating Build and Release pipeline in the Azure DevOps and provisioned Azure Resources using Azure pipelines.
  + Designing, Deploy & manage micro-services-based applications deployed on Kubernetes clusters, Azure Kubernetes Services.
  + Worked on Terraform Modules to Provision in the Azure and AWS Services such as VM, EC2, S3, AKS, Vnet, VPC, EKS, ACR, ACI, Azure Key vault, Storage account and RDS.
  + Reduce timelines for successful pipeline deployment using power shell, Terraform, Ansible tower.
  + Created and deployed a liveness probe to detect error responses from the application and restart unhealthy containers.
  + Attended Sprint Planning, Retrospective and daily Scrum meetings.
  + Worked with Apigee Micro gateway enhancements: Rate limit, **CORS**, apim-extauth, **okta**, **0Auth**, provided technical support & resolved issues.
  + Established coding standards and enforced them through automated tool **SonarQube**.
  + **Troubleshoot** and resolve build and release failures due to infrastructure/ application issues.
  + Working with developers for creating an automated, efficient delivery pipeline that help build software rapidly, efficiently using Azure DevOps & Jenkins CI/CD tools.
  + Handling complete build and release Process including code, document and supporting dev and QA team.

**Client: AT&T, Toronto Jan 2020 – Mar 2022**

**Role: Cloud DevOps Engineer**

**Responsibilities**

* Responsible for Azure Admin activities i.e., Landscape access (RBAC access)
* Production deployment activates and configuration changes on a needy basis and Assisted Junior resources, worked with SMEs to troubleshoot priority issues based on SLA’s.
* Design & Perform Proof of concept(POC) for validating application integration with Cloud.
* Implemented the branching strategy to make sure deployment activities taking place in respective order 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.
* Responsible for creating and configuring Azure Boards, Azure Repo and Azure Pipelines.
* Worked with Apigee Proxies, API product, Developer Apps and **debugged** different issues faced by clients.
* Identify, **troubleshoot**, and resolve issues related to the Kubernetes cluster and deployment process.
* Configuring Custom domains and **TSL certificates** for app services. Renew and deploy

**SSL certificates** to maintain application security to the best standards.

* Have extensively worked on Azure Pipeline (setting up Pipeline and Deployed to Higher Environments).
* Worked with Docker images /containers and Docker files.

**Client: BHP, Toronto Jun 2018 – Jan 2020**

**Role: DevOps Engineer**

**Responsibilities**

* Involved in Maintenance activities such as patching, server upgradation,

**troubleshooting** issues and monitoring alerts in **slack**.

* Creating Alarms in Kibana for Monitoring the server’s performance, CPU Utilization, disk usage etc.
* Troubleshoot operating system, database, application performance issues and provided quick fixes. Supported on weekends for schedule maintenance and outages.
* Used Maven as build tool to generate JAR, EAR, WAR and configured in Jenkins and deployed in tomcat web server.
* Worked closely with peers and internal SMEs to manage the resolution of customer issues as quickly as possible.
* Troubleshooting Azure VM, AKS performance (CPU, Memory, Network)issues.
* **Troubleshooted** on **Kubernetes** issues: **ImagePullBackOff**, OOM, and **CrashLoopBackOff** AquaSec team stopping the service and ingress misconfigured.
* Responsible for troubleshooting different issues in Kubernetes, while setting CI/CD pipeline and building and deploying solutions to PROD Environment.
* Involved in the discussion with the team to understand about requirement.
* Supported application running on Azure managed **AKS** clusters, where applications fetch data from Azure storage account for the service running on them.



**Certifications**

* AZ-900: Microsoft Azure Fundamentals
* AZ-104: Microsoft Azure Administrator
* AZ-400: Designing and Implementing Microsoft DevOps Solutions



**Education**

* Bachelor of Technology in **Computer Science** from Jawaharlal Nehru Technological University passed out 2016.