**Rajashekar Reddy**        **Cloud & DevOps Engineer**
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## Professional Summary

Inquisitive, Initiative and Influential IT Professional with overall 5+ years of experience on Cloud & DevOps practices **Continuous Integration, Continuous Deployment, DevOps Specialist, Cloud Infrastructure services, Site Reliability Engineering and Infrastructure Engineering**

- Worked on designing, implementing, maintaining **application build and deployment solutions through Azure DevOps/ GitLab/Jenkins** CI/CD pipelines using marketplace plugins and programmatic solutions.
- Worked on designing and implementing infra resources provisioning solutions through **Azure DevOps/GitLab/Jenkins** CI/CD pipelines using **Terraform**
- Worked on implementing **DevSecOps** solutions at Software development and deployment life cycle of java/.net/nodejs/springboot applications by integrating multiple SAST tools AquaSec/SonarQube/CredScan etc with Azure DevOps CI/CD pipelines.
- Worked on DevOps Tools such as **Microsoft Azure DevOps, Jenkins CI/CD, Ansible Tower, Docker, Kubernetes, Terraform, Apigee, GitLab, Basics of Python.**
- Worked as a **Site Reliability Engineer** by performing multiple operational/maintenance works like cloud services **performance/utilization/access/functional issues, patching, hotfix deployments** through ADO pipelines.
- Worked on deploying and managing Microsoft Azure cloud services such as **Azure Subscriptions, VM, CDN, VNet, DNS Zone, AKS, ACR, Azure Data bricks, Load balancer, Storage account, Traffic Manager, ADF, App gateway, NSG's, Azure Web apps, Azure Key Vaults, Azure SQL DB, App Insights** using **IaC tool Terraform.**
- Worked on designing and implementing containerization tool **Docker (Docker Images, containers, Docker file)**
- Worked on designing and implementing **Kubernetes, AKS Clusters/nodes/pods/health probs/deployment/pvc** and configuring networking/services between application pods.
- Worked on supporting Kubernetes issues like **troubleshooting pods/nodes/Kubernetes clusters** for resolution.
- Worked on **Helm charts, secrets, config maps** for managing and deploying Kubernetes applications.
- Worked as **an admin for Azure (RBAC), Azure DevOps platform** where I used Teams/Security groups/User groups/User Access Privileges/Access policies at tool objects/branch policies.
- Working experience with Apigee has enhanced policies such as Rate limit, OAuth2, OKTA, JWT, apim-extauth and managed API Proxies, API Products, and Developer App.
- Worked on all **Azure DevOps Objects** such as Azure Pipelines, Release pipelines, Libraries, Service connections, Agent pools, Azure Repos, Azure Dashboards, Azure Boards, Test plans, Azure Artifacts, User Permissions, Security groups and User Teams.
- Experience in configuration management, **Ansible Tower** (ansible playbooks, roles etc)
- Strong ability to troubleshoot/debug any issues related to application/infrastructure/Kubernetes etc
- Experience in deployment strategies **Canary** and **Blue-Green** deployments.
- Working experience in **SDLC** process, **Agile** methodology.
- Experience in Monitoring tools such as Prometheus, Grafana, ELK, Dynatrace.
- Worked on **Incident and Change Management** adhere to ITIL standards.
- Excellent problem-solving skills, good communication and interpersonal skills

## Certifications

- Microsoft Certified Azure Fundamentals - **AZ-900**
- Microsoft Certified Azure Administrator Associate – **AZ-104**

## Education

**Bachelor of Technology in computer science** from **Jawaharlal Nehru Technological University, India**

**Technical Skills:**

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|---|---|
| **CI/CD Tools** | Azure DevOps, Jenkins, GitLab |
| **Cloud Platforms** | Microsoft Azure, AWS |
| **Scripting** | Shell Scripting, YAML, J2SE, Basic Python |
| **Build Tools** | Maven, npm, NuGet |
| **Containerization tools** | Docker, ACR |
| **IAC** | Terraform, ARM Templates |
| **DB** | Oracle, Azure SQL DB |
| **Ticketing Tools** | JIRA, Service Now |
| **API Management** | Apigee, Micro Gateway |
| **Version Control Tools** | Git, GitLab, GitHub |
| **Monitoring Tools** | App insights, ELK, Dynatrace, Prometheus, Grafana |
| **Security/Code Quality** | SonarQube, AquaSec, CredScan |
| **Configuration Management** | Ansible, Ansible Tower |
| **Orchestration Tool** | Kubernetes, AKS |
| **ETL** | ADF, Azure Databricks |
| **Operating Systems** | Windows, Linux |

**Professional Experience**

**BNP Paribas [Sept 2023 – Present]**

**Montreal, Canada**

**Infrastructure Engineer**

- Worked as a Cloud DevOps Engineer where we design, implement the DevOps automation solutions on infrastructure provisioning, resources deployment and versioning strategies through Azure DevOps.
- Consulting with clients on their automation requirements, designing and implementing the CI/CD/DevOps solutions based on their requirements.
- Worked with Apigee development activities and deploying API Proxies, API Products, Developer Apps and managing developer portals etc.
- Responsible for deploying Apigee SaaS proxies and deploying Micro gateway for VM, Micro gateway for Web App and Micro gateway for AKS cluster.
- Designed and implemented the Provisioning of Infra resources to azure with Terraform templates through Azure DevOps CI/CD pipelines.
- Designed and implemented the Azure SQL DB Deployment and versioning solutions with Azure DevOps CI/CD pipelines/Terraform templates.
- Worked on deploying/managing multiple azure resources like Azure web apps, AKS through Terraform and Azure DevOps CI/CD pipelines.
- Worked on handling the operational task of the infra resources through Terraform release configuration files and Azure DevOps CI/CD pipelines.
- Worked on Ansible Tower creating ansible templates, troubleshooting job failure issues and responsible for writing ansible playbooks, and ansible roles.
- Worked on maintenance task patching, updating servers, restarting servers, taking backup, certificate renewal.
- Responsible for setting alerts in Prometheus, Dynatrace and troubleshooting various issues related to application/Infrastructure and checking the logs in ELK.
- Troubleshoot complex issues and find the RCA. Worked on service now tickets, incident, change management.
- Responsible for Automating manual tasks by writing shell scripts/Python scripts.
- Worked on Apigee Micro gateway enhancements, implemented new policies are Rate limit, OKTA, OAuth2, CORS and apim-extauth, JWT, Api-keys. Provided technical support & resolved issues
- Worked on scrum project management planning with Azure DevOps Boards tools like configuring teams/sprints/backlogs/area paths/work items etc.

**Environment**: ELK, Dynatrace, Apigee, Ansible tower, Kubernetes, Shell Scripting, Terraform, Prometheus, Jenkins, Service now

**LTIMindtree [March 2022 – June 2023]**
**Hyderabad, India**
**Cloud DevOps Engineer**

- Worked as a DevOps Engineer where we design, implement the build/deployment strategies and other DevOps automation solutions.
- Consulting with clients on their automation requirements, designing and implementing the CI/CD solutions based on their requirements.
- Performed RCA for recurring issues and worked with application owners on L2, L3 issues. Supported Weekends for scheduled maintenance and Outages.
- Responsible for creating alerts, dashboards and metrics for Application performance monitoring using Dynatrace, Prometheus.
- Working as an Admin for Azure DevOps tool, creating projects/teams/pipelines/service connections/ task groups/variable groups etc, adding/removing/assigning permissions to the users etc.
- Providing support by handling the incidents/issues related to build/deployment/automation pipeline failures/service connections for the existing devops environment.
- Proactively identify and drive automation tasks associated with end-to-end deployment delivery.
- As part of enhancements of the existing pipelines, migrated deployment jobs of yaml pipelines to classic release pipelines.
- As part of enhancements of the existing environment, implemented roll back strategy through pipelines as instructed by developers.
- As part of enhancements of the existing DevOps environment, configured static code quality test automation by integrating SonarQube with azure devops and implemented SonarQube scans in the build pipeline.
- Designed and implemented a strategy on how to restrict access and manage security of devops services for multiple application team users in a same azure devops project.

**Environment**: Apigee, Ansible tower, Kubernetes, Shell Scripting, Terraform, Prometheus, Grafana, Jenkins, SRE, Azure DevOps, Sonar Qube

**Accenture [Jan 2020 – March 2022]**
**Bangalore, India**
**DevOps Engineer**

- Implemented DevOps solutions with CI/CD pipelines by designing build strategies for building java/NodeJS/azure webapps etc code and designing delivery strategies for pushing those applications to Azure.
- Shell Scripts were written to check the health of servers such as CPU, Memory utilization and based on threshold that automatically trigger an email and alert team.
- Have implemented PagerDuty multi-tiered escalation policies and post reviews of incidents that occurred during weekly on-call meetings.
- Designed and implemented the ADF deployment and versioning solutions with Azure DevOps pipeline.
- Implemented ELK stack for application log monitoring mechanism at container level
- Worked on establishing the postmortems for the outage and updating the wiki pages for each Incident.
- Involved in making connectivity between Azure Databricks & ADLS Gen2 with SPN. Involved in end-to-end processing with Azure Data Factory and Azure Databricks.
- Implemented DevOps solutions by creating CI/CD pipelines for pushing docker container applications to ACR.
- Implemented DevOps solutions by creating CI pipelines for provisioning IT Infra resources to azure with Terraform templates.
- Responsible for checking various issues related to Kubernetes or Infrastructure or Application side and troubleshooting different 5xx, 4xx issues
- Worked on different pipeline failure issues like pipeline access related issues/service connection issues/auto triggering issues/agent pool issues/app deploying tasks issues etc.
- Worked on GitHub/Azure Repos, creating repositories/users/branches/branch permission settings/repository permissions/webhooks/ Writing pipeline related code and merging it to master
- Worked on creating Project/Team dashboards based on queries/sprints in Azure DevOps.
- **Environment**: ELK, Ansible tower, Kubernetes, Shell Scripting, Terraform, Prometheus, Azure DevOps, SRE, Pager Duty, Monitoring