**Jyothi Prakash**

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**Career Objective**

Interested in long term opportunities providing responsibilities, Implement the DEVOPS activity Azure Cloud environments and supporting Azure cloud in enterprise level.

**Professional Summary**

* Having 2+ years of IT experience As a Azure DevOps Engineer which includes Azure Admin, Automation, Linux and Build and release engineer using azure devops.
* Worked on azure infrastructure provisioning using different automation tools such as Az cli, PowerShell, Terraform, project requirement.
* Worked on all the azure networking including vnet/subnet, NSG, ASG, Route table, Azure Firewall, NAT(multi NIC, Multiple IPs), VPN Gateway, Bastion Host, Azure Private link.
* Worked on azure storage account for multiple integration to cloud, and storing blob data, file shares, tables and queue.
* Worked on azure disk management attaching new disks and mounting into servers. In Linux worked we worked on LVM.
* Worked on golden image, VM, scale set, VMSS, availability set. And good knowledge on fault and update domains.
* Worked on azure SQL servers, SQL elastic pools and their databases also set up proper communication other services in azure and on-prem network.
* I used azure key vault for security.
* Worked on azure data factory and pipelines, also worked on data bricks for infra support as well as secret management.
* Worked azure app services, function app and logic app a lot for all the code deployment and custom domains.
* Worked on ASR for azure site backup/recovery and Disaster recovery aspects.
* Worked on azure monitoring on all the metrics monitor, activity logs, service health, resource health, log analytics monitor, application insights monitor, etc…
* Worked on load balancers in azure such as load balancer, Application gateway.
* Worked on Linux for installing the packages, file permissions, cron job, memory, CPU issues, swap memory, volumes, hard/soft link, all other troubleshooting commands etc.., also written shell scripts for various requirements on the based project.
* Worked git, branching strategies, stash, revert, rebase, pull, fetch, push, merge, rebase, cherry-pick, pull request et..
* Worked on maven for building the java code. I used maven goals to get code compiled, packaged.
* Worked on tomcat installations, and some sample applications deployment in it.
* Worked on Ansible for configuration management. I used to work on inventory and ansible play books.
* Worked on SonarQube for static code testing and analysis. In depth I worked on SonarQube installations, set up quality gate and quality profile (with help of developers), and integrate the SonarQube with azure devops.
* Worked on docker file, image, containers, volumes, networking and compose file as well.
* Worked on AKS cluster creation, writing manifest files using yaml format, deployment, replicaset, replication controller, quotas, cluster upgrade, namespace, service account, all services, ingress, HPA, VPA, requests and limits, Node selector, Pod Identity, rbac, persistent volumes, storage.
* Create pipeline using both classic editor and yaml file.
* Worked on pipeline variables, triggers, deployment groups, and also worked on releases.

**Technical Skills**

Version control tool : git, git-hub

Build tool : maven, dotnet build.

Deployment env : tomcat, docker, AKS, app service, function app, logic app.

CI/CD Tool : Azure devops.

Code quality tool : Sonarqube

Ticketing tool : azure boards.

Infrastructure : Terraform, Az Cli, PowerShell

Monitoring tool : azure monitoring

Configuration tool : Ansible

Containerization tool : Docker.

Orchestration Tool : Azure Kubernetes

Scripting language : Azure PowerShell, terraform, shell scripting

Azure cloud : v-net, subnet, nsg, route tables, disc, storage,

NIC, VM, ASE, ASP, app service, function apps,

app insights, logic apps, Paas SQL, load

balancers, traffic manager, azure monitor, AD,

ASR, AKS, ACI, key vault, azure log analytics,

data factory, data bricks

Professional Experience:

**Project:** 1

**Company:** Cherry road services private limited

**Tool & Technology**: Azure, Git, maven, Azure Devops, Docker, AKS, SonarQube, Jira, Terraform, Linux

**Designation:** Devops Engineer

**Roles & Responsibilities:**

* Collaborates with teams and client for implementation and enhancement of project.
* Create infra using terraform.
* Using Terraform to adding the version lifecycle on Azure infra environment.
* Implementing Azure DevOps CI/CD pipelines with using yaml file.
* Providing support on git projects.
* Worked on azure resources reservations and reduced project cost. Also helped on suggesting to use the right resource for right requirement.
* DB and App services troubleshoot and fixing the issues.
* Worked on multi staging pipeline on azure devops.
* Set up azure alerts for all the azure resources, and costing alerts for monitoring the budget on each subscription.
* Maven life cycle and implement maven goals on java project get the artifact.
* Worked on SonarQube installations, set up quality gate and quality profile. Also scan the
* projects using SonarQube file (which contains all the project info including test cases).
* Worked on containerize the application using docker.
* Written manifest files of Kubernetes and deploy the code to azure Kubernetes, also written helm charts.
* Worked on other Kubernetes components such as ingress, service, pv, pod identity, hpa, vpa etc.

**Project**: 2

**Company:** Cherry road services private limited

**Tools & Technology:** Azure, Git, maven, Azure Devops, Docker, AKS, SonarQube, Jira, Az Cli, Ansible, tomcat,

**Designation:** Devops Engineer

**Roles and Responsibilities:**

* Creating Tags and support branches and Manage code repositories (branching, labelling etc.).
* Adding /Deleting, Permissions and Customizing Views and Branches.
* Coordinate build and deploy activities.
* Implemented Azure DevOps for Continuous Integration Builds and Notifications exclusive for Dev as a self-help feature.
* Performing installation testing on builds before handing over to QA team.
* Worked with developers, QA and Product support teams to identify and resolve problems.
* Develop and maintain build and release process documentation.
* Managed the SonarQube servers and do the sonar builds for all the projects which I am doing CI/CD. And sent the sonar report to the developer.
* Involved in deployment of the application using Docker and AKS.
* Doing troubleshooting for AKS (ACR, Haml Chart, If Pod dies what is the reason)
* Doing operations on our servers (Load increase, Memory issue, CPU utilization increase) we are managed and resolved the issues in quick time.
* Performing the GIT Merging activities.
* Writing Docker File, Docker Compose file for deploying the applications in docker stack.
* I used to write the manifest files (Namespaces, Deployment, Service, Ingress(AKS) for deploying application in K8S.
* Writing the Ansible playbooks for upgrading the applications like SonarQube, and doing the OS- Patching using the same application.
* Create the infrastructure using az cli and Azure PowerShell.

**Skills**

* Basic knowledge of programming Languages
* Good hands-on practice on MS office
* Self-Motivated and Fast Learner Team Player and Adaptable

**Education**

**B. TECH (CSE)**

Vemu Institute of technology 2017- 2021

**Class XII**

Vijayam Junior college: 2015-2017

**Class X**

Vijayam The school: 2015