**Y.Dasaradharam**

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Career Objective:

* To work in a professional and challenging environment, contributing maximum to the organization and growing synergistically with it.

Professional Summary:

* 9 years of experience in IT industry as a **DevOps CI/CD Automation Engineer,**  **Linux, Windows and VMware System Administrator**.
* Trained and Certified – MCITP (Microsoft Certified IT Professional).

**Technical Certification:**

Microsoft Certified IT Professional (MCITP)

**Professional Experience:**

 Company: **Optum Global Solutions, Hyderabad.**

 Designation**: Senior Software Engineer.**

Duration**: from September 2018 to Till Date.**

 Company: **IBM Pvt Ltd, Hyderabad.**

 Designation**: Senior Operations Professional.**

Duration**: from September 2016 to September 2018.**

 Company: **Infosys, Hyderabad.**

 Designation**: Technology Analyst**

 Duration: **from August 2015 to September 2016.**

 Company: **AT & T, Hyderabad.**

 Designation**: System Administrator**

 Duration: **from June 2012 to July 2015.**

Company: **Glow Networks Pvt Ltd., Bangalore.**

 **Deployed to AT & T, Hyderabad.**

 Designation**: System Administrator**

 Duration: **from November 2011 to June 2012.**

**Technology Stack:**

**Operating Systems** : Linux Server: RHEL 6, Solaris 9, 10, Windows

**Containerization** : Docker, Kubernetes

**Configuration Management :** Ansible

**Cloud Platforms** : RedHat OpenShift 3.11, Microsoft Azure Cloud

**Virtual Technologies** : VMware ESXi 6.0, VMware ESX 5.0

**CI/CT/CD Stack** : Jenkins, GitHub, Junit, SonarQube, Fortify Scan

**Logging and Monitoring** : Splunk, Dynatrace, Nagios, Azure Monitoring.

**Programming** : C, C++, Java, Shell scripting.

**Technical Skills:**

**CI/CD and DevOps Automation:**

* Created and maintaining GitHub organization and Repositories for the project being one of the custodians of GitHub SCM.
* Configured auto-code merge Jenkins jobs and triggered builds upon commit to GitHub Enterprise.
* Configured Jenkins jobs and build steps for freestyle, maven and pipeline projects.
* Configured SonarQube and Fortify Scan for code quality and coverage and vulnerability check.
* Installed and configured Jenkins plugins on-demand.
* Participated and reviewed in infrastructure design discussions and analyzed the VNETs and Subnets for the components with possible CIDR ranges based on potential components.
* Prepared Docker file for creating Docker images to include pre-defined artifacts
* Prepared organization level base Docker images to uptake the minimal set of mandated container artifacts for the underlying infrastructure. These include logging and monitoring frameworks as mentioned by policy.
* Maintaining the Dockerfiles and Kubernetes and OpenShift deployment YAML files in Git repositories.
* Deployed the generated Docker images to RedHat OpenShift private cloud or Azure (Azure Kubernetes Services) public cloud based on the nature of the microservice (PHI or non-PHI data).
* Configured horizontal pod auto-scaler for Kubernetes and OpenShift deployments.
* Monitored logs and performance using Splunk and Dynatrace for OpenShift and used Azure monitoring for Azure-AKS cluster-based log analytics.
* Configured persistent volumes and mapped them in Docker images to preserve the container logs.
* Hands on experience in creating Azure infrastructure and configuring applications like APP gateway, APIM manager, Azure Kubernetes Services (AKS), Storage accounts, Container registry, Azure Webapp Service, Application insights.

**VMware:**

* Managing guest systems on different ESX servers from Virtual Infrastructure (VI) client
* Managing different resources of Virtual machines from VI client
* Migrating the Virtual machines to different ESX hosts using Vmotion
* Creating virtual machines and configuring Red Hat Linux on them
* Creating VM’s from templates, Cloning Virtual Machines

**Linux/Unix:**

* Creating volumes and managing file system using Logical Volume Manager (LVM).
* Checking status of the Linux servers from console.
* Installing and Updating of software packages and patches through YUM.
* Planned and executed packages and updates installations necessary for optimal system performance.
* Installation, patching and upgrading software packages.
* Troubleshooting System and Network related issues.
* Setup of NFS and Samba file sharing services on Linux and Windows environments.
* Snapshot administration, snapshot restore and snapshot mirror

**Project-1**

Project - Onboarding Portal (Health Care)

Designation - Azure Infrastructure developer with CI/CD

Duration - March 2020 to till date

**Roles & Responsibilities**:

* I have been leading the Azure public cloud Infrastructure setup and CI/CD

operations been responsible in creating the Jenkins job for various projects and

deploy the docker based jobs to Azure platform for multiple microservice.

* Implemented Azure web application firewall (WAF) to provide centralized protection to our web Applications.
* Participated in the working sessions for setting up azure infrastructure using terraform
* Implemented Azure Front Door to configure URL path-based routing for the requests.
* Implemented Istio service mesh for container traffic management.
* Implemented Readiness and liveness probes in containers using YML files of OpenShift (on-premise) and Kubernetes (cloud) deployments for zero downtime by ensuring traffic does not reach a container that is not ready.
* Configured Azure centralized dashboards for both Micro services and UI to track/monitor the real time application issues.
* Implemented Auto healing mechanism for pods along with HPA to restart the Pods when it reaches maximum CPU and Memory
* Configured Business Continuity and Disaster Recovery (BCDR) setup to replicate the workloads running from a primary site to a secondary region.
* Configured Azure function apps to accelerate and simplify application development with serverless compute
* Implemented slot mechanism for azure web app deployments

**Project-2**

Project          -   Client Portal (Health Care)
Designation -   Azure Infrastructure developer with CI/CD
Duration -  OCT -2018 to FEB 2020.

* I have been leading the Azure public cloud Infrastructure setup and CI/CD

operations been responsible in creating the Jenkins job for various projects and

deploy the docker based jobs to Azure platform for multiple microservices.

* Expert In configuring Virtual Network, Application gateway, NSG and APIM in azure.
* Participated in the working sessions for setting up azure infrastructure using terraform
* Capable of configuring the Container registries and deploy the docker images

to the repositories and deploy them using the frontend Webapp.

* Been working on setting up multiple environments in azure portals under various

resource groups and setting up Virtual networks, Subnet, and NSG rules.

* Worked on Kubernetes and Docker implementation setups using Jenkins for deployment to RedHat OpenShift private cloud and Microsoft Azure public cloud.
* Automated the Jenkins jobs to generate the code quality analysis reports using

SonarQube and Fortify scan.

**Roles & Responsibilities**:

* Developed Infrastructure for Client Portal and Rxcomet applications
* Created resources in Central US and East US2(DR) region
* Prepared Virtual Network and assigned subnets to the required components.
* As per the project requirement Configured APIM with Internal network
* Configured Application Gateway with APIM
* Worked with IPA team to prepare the DNS entry for the APPG IP address
* Created NSG with the required rules, which will restrict the unauthorized access.
* Create and configure new jobs for each and every module in Jenkins.

**Project-3**

Project -     WAWA ,Teletech
Designation -     DevOps Engineer with CI/CD
Duration -      OCT -2016 to SEP-2018.

**Roles and Responsibilities:**

* Providing Support to the Production and Non-Production Servers on both UNIX and Windows environments (Standard OS and Docker)
* Provide quality technical services to internal and external clients
* Configured auto-code merge Jenkins jobs and triggered builds upon commit to GitHub.
* Configured Jenkins jobs and build steps for freestyle, maven and pipeline projects.
* Configured SonarQube and Fortify Scan for code quality and coverage and vulnerability check
* Installed and configured Jenkins plugins on-demand and Participated and reviewed in infrastructure design discussions and analyzed the VNETs and

 Subnets for the components with possible CIDR ranges based on potential

 components

**Education Qualifications:**

* MCA from Nagarjuna University Vijayawada in 2009
* Graduation from Satavahana College in 2006
* Board of Intermediate from Satavahana College in 2003
* SSC from Future Path Public School, Vijayawada 2001

**Declaration:**

I hereby declare that the above written particulars are true to the best of my belief and Knowledge

Dasaradharam.Y