**RESUME**

**Name :** **Pinninti Anil Rao**

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**WORK EXPERIENCE SUMMARY**

* Having around **3.5 years** of experience in IT industry as a **Senior Engineer** in Mindtree **which includes implementation of DevOps, Amazon Web Services, Microsoft Azure Cloud, Azure Kubernetes Services, Azure Container Instances, Azure Container Registries, Linux, Kubernetes, Docker.**
* Excellent Written & Verbal communication skills with a good track record in troubleshooting the client issues.
* Hands on Experience in handling the Product Enhancements received from Clients.
* Designed and configured **Azure Virtual Networks (VNets), subnets, Azure network settings, DHCP address blocks,** DNS settings, security policies and routing.
* Deployed **Azure IaaS virtual machines (VMs)** and Cloud services (PaaS role instances) into secure VNets and subnets.
* Run Docker Containers in managed, serverless environment by using **Azure Container Instances** in isolated containers without orchestration by using Azure portal or Azure CLI.
* To build, store and manage container images and artifacts in a private registry for all types of container deployments using **Azure Container Registry.**
* Hands on experince into **Azure Cloud Compute Services** by using **Virtual Machines (VM), Virtual Machine Scale Sets (VMSS), OS Disks, Availabilty Sets** etc.
* Worked on Database scripting services related to **SQL DB, Kusto DB, Azure Containers Prod (ACC Prod), Azure Kubernetes Prod (AKS Prod)** to verify the log informations of the production environment.
* Exposed Virtual machines and cloud services in the VNets to the Internet using **Azure External Load Balancer**. Provided high availability for IaaS VMs and PaaS role instances for access from other services in the VNet with **Azure Internal Load Balancer** and using **Application Gateway Services**.
* Implemented high availability with Azure Classic and Azure Resource Manager deployment models.
* Designed Network Security Groups **(NSGs**) to control inbound and outbound access to network interfaces **(NICs), VMs** and **subnets**.
* Designed **User Defined Routes** with custom route tables for specific cases to force tunnelling to the Internet via On-premise network and control use of virtual appliances in the customer's Azure environment.
* Used **Azure Kubernetes Service** to deploy a managed **Kubernetes cluster** in Azure and created an AKS cluster in the Azure portal, with the Azure CLI, also used template driven deployment options such as **Resource Manager templates** and **Terraform**.
* Experience with **Open Shift**, **Kubernetes Architecture** and design, troubleshooting issues with platform components Azure, and developing global or multi-regional deployment models and patterns for large-scale developments and deployments on Cloud Foundry, OpenShift and Kubernetes .
* Configured applications that run multi-container Docker applications by utilizing the Docker-Compose tool which uses a file configured in YAML format. Used Kubernetes to manage containerized applications using its **Nodes, Deployments, Config-Maps, selector, Services** and deployed application containers as **Pods.**
* Installed **Docker Registry** for local upload and download of Docker images and from Docker Hub and created Docker files to automate the process of capturing and using the images.
* **Hands on experience to implement Infrastructure as a code by using terraform.**
* **Hands-on knowledge of software containerization platforms like Docker and container orchestration tools like Kubernetes and Docker Swarm.**
* **Experience with cloud infrastructure of AWS (Amazon Web Services) and computing AMI virtual machines on EC2 (Elastic Compute Cloud).**

**TECHNICAL SKILLS :**

**Operating Systems** : Windows Server 2012, Linux

**Databases** : Oracle- SQL

**Devops Tools** :

**SCM** : Git

**Configuration Management** : Ansible

**Continuous Integration** : Jenkins

**Container Orchestration**  : Docker, Kubernetes, Azure Container Instances, Azure Container Registry

**Monitoring** : Splunk , SCOM

**Web/Application Servers** : Apache Server, Tomcat

**Scripting Languages** : Yaml, Terraform

**Cloud :** Azure

**Ticket Tool** : Servicedesk, DFM

**EDUCATION :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Degree** | **Institute** | **Board/University** | **Year of Passing** | **% Marks** |
| B.TECH  (E.C.E) | Vaagdevi College of Engineering | JNTU-Hyderabad | 2016 | 74.5 % |
| Intermediate  (MPC) | Vignan Model Junior College | BIE-Telangana | 2012 | 95.4 % |
| 10th  (SSC) | Bharati Vidya Bhavan High School | SSC | 2010 | 88.5% |

**Professioal Experience:**

Currently working for **Mindtree Ltd, Hyderabad: (July 2020-Till date)**

Previously worked for **Cognizant Technology Solutions India PVT LTD , Hyderabad** from (Nov-2017 to June 2020)

**PROJECT EXPERIENCE:**

**Organization** : Mindtree

**CLIENT – Microsoft**

**Location:** Hyderabad

**Technology:** Azure cloud, Azure container registry, Azure container instance, KQL, AKS, ASC

**Roles and Responsibilities :**

* Used **Azure Kubernetes Service** to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal, with the Azure CLI, also used template driven deployment options such as Resource Manager templates and Terraform.
* Handling operations related to services of Kubernetes which leads to **Service Principal Client ID, Ingress Controller, Scaling ( IN/OUT ) operations, Virtual Node, Node Remediator, GPU Nodepools.**
* Hands on experience to setup the Kubernetes services **Cluster IP, Node Port, Load Balancing** to expose the applications to outside environment securely.
* Troubleshooting the network related issues which add on with **Kubenet and Azure CNI ( Advanced )**.
* Designed strategies for optimizing all aspect of the continuous integration, release and deployment processes using container and virtualization techniques like **Docker** and **Kubernetes**. Built Docker containers using microservices project and deploy to Dev.
* Setup Azure Virtual Appliances (VMs) to meet security requirements as software based appliance functions (**firewall, WAN optimization and intrusion detections**).
* Leveraged VNET system routes and underlying route table that holds **Local VNet Rules**, On-premise **Rules, Internet Rules** and **IP Forwarding** as design basis.
* Automated **Continuous Integration builds**, nightly builds, deployments and unit tests across multiple different environments (DEV, QA, Training, Production) each constituting different types of servers (**DB, App, Web**) and different number of servers of each type (for load balancing and such) using **VSTSBuild, Power Shell, and MS Build, MS Deploy.**
* As a member of Release Engineering group, redefined processes and implemented tools for software builds, patch creation, source control, and release tracking and reporting.
* Worked closely with QA Teams, Business Teams, and DBA team and Product Operations teams to identify QA and UAT cycles release schedule to non-prod and prod environments.
* Created manual TestCases to check that each of the deliverables meet users requirement.
* Managed new deployments and handled upgrades of clusters in Service Fabric to make sure the application is reliable.
* Worked on MS Excel to generate daily Reports.

**Organsation : Cognizant Technology solutions**

**CLIENT – Alliance Card Data Services**

**Technology:** Windows Adminstration, Linux Adminstration, SQL DBA, Active directory, Ansible, VMware,Servicenow,Splunk,Sitescope,Jenkins,

**Roles and Responsibilities :**

* Working on Service requests and Change Tasks by following standard ITIL process.
* Manging User accounts, Distribution Lists based on the requests in Windows and Linux environments.
* Created new machines to meet the specifications provided by the Client using AWS.
* Setting up the Kubernetes environement by creating Pods.
* Integrated Servicenow with Splunk to generate incidents from Splunk.
* Adding new virtual machines to Backup list in Commvault based on subclient.
* Analysing and troubleshooting backup failure alerts in Commvault.
* Automating the Deployment of Applications in Linux environment using Devops tools like Anisble.
* Created Splunk Monitoring environment using Ansible playbooks.
* **Implementation of Master Slave configuration in Jenkins.**
* **Hands-on knowledge of software containerization platforms like Docker and container orchestration tools like Kubernetes and Docker Swarm.**
* **Experience with cloud infrastructure of AWS (Amazon Web Services) and computing AMI virtual machines on EC2 (Elastic Compute Cloud).**
* Performing Pre and Post checks during patching of Windows environment.
* Involved in On Call rotation for supporting production strictly maintaining SLA's.
* Created documentation for Server Builds, Application Installations, Mapping the drives and Issues, which occur during software upgrades.
* Monitoring and configuring the jobs through Jenkins .
* Automating the Infrastructure into Cloud and deploying applications using AWS and Devops repectively.
* Work experience in Devops Tools like Ansible, docker, splunk,Jenkins,Git.
* Deploying and managing many servers utilizing both traditional and cloud oriented providers (AWS) with the Ansible platform configuration system.
* Involved in weekly and daily bases release management.
* Administrating and monitoring the Linux servers on AWS environment.
* Involved in trouble shooting tasks of Windows, Linux , DB, Backup and Middleware technologies.

**PERSONAL DETAILS**

Name : Pinninti Anil Rao

Date of Birth : 03-11-1994

Gender : Male

Nationality : Indian

**Current Work Location : Hyderabad**

**Declaration**

I am confident of my ability to work in a team and I hereby declare that the information furnished above is true to the best of my knowledge. I would be pleased to provide any additional information if needed by you.

**Date:**

**Place:**  Hyderabad **Regards,**

**PINNINTI ANIL RAO.**