KIRUBA KARAN

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💼 PROFESSIONAL SUMMARY

SENIOR INFRASTRUCTURE ENGINEER, MR COOPER   **November 2019 – Present**

Manage cloud architecture & provide implementation plans for hosting complex application workloads on On-premises, Microsoft Azure & GCP. Integrate Clouds with Cloud management platform (Rightscale, Morpheus) for automated deployments.

Support automated build pipeline, continuous integration, continuous deployment, and test automation frameworks with tools such as Git, Azure Devops.

Use Terraform for infrastructure provisioning & setting up the build and deployment automation using Azure Devops.

Creating and Configuring Kubernetes Clusters (AKS & On-prem clusters - RKE). Managing K8s environment via Rancher.

Experience in Chef for Configuration management (written ruby scripts to automate repetitive tasks and quickly deploy critical applications)

Installed and configured the monitoring tool New-Relic for infrastructure and application monitoring & SPLUNK for log management.

SENIOR SYSTEM ENGINEER, COGNIZANT   **Jan 2018 – November 2019**

Experience in creating/managing AZURE resources such as IaaS, Virtual Networks, NSGs, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling.

Exemplary contributor in VMWare Cloud Management Platform implementation, which aided Hybrid cloud provisioning.

Created PowerShell scripts for automating Snapshot validation/Deletion, Standalone ESXi upgrades, Inventory Collection, Datastore utilization, etc.

PROGRAM ANALYST, COGNIZANT   **June 2015 - October 2017**

Owned and executed a project for standardizing Private Cloud Infrastructure comprising 25 clusters, 450+ ESXi Hosts and 8500+ VMs which in turn slashed administration costs by 30%.

Managing DR for on-premises using VMWare Site Recovery Manager.

🗄 CERTIFICATIONS

Microsoft Certified Azure Administrator Associate ★★

vmware Certified Professional Data Center Virtualization

🖨 EDUCATION

Graduated with first class honors and GPA of 8.66.

Bachelor of Technology in Computer Engineering, Rajiv Gandhi college of Engineering & Technology- under Pondicherry University, Aug 2011 to May 2015.

🧠 TECHNICAL SKILLS

Infrastructure Provisioning: Terraform.

Cloud: Microsoft Azure, Google Cloud Platform.

CICD: Azure Devops

Version Control: GIT

Configuration management: Chef, Ansible basics.

Monitoring: New Relic, Splunk.

Scripting languages: PowerShell, Ruby

Operating systems: Windows servers 2012, 2016 & 2019, Cent OS, RHEL 7.

Containerization: Docker, Kubernetes (for orchestration), Rancher (to manage Kubernetes clusters)

Virtualization: VMWare, Hyper-V

IT Service management: ITIL v3.0

RESPONSIBILITES

CLOUD & DEVOPS:

* Used Terraform to provision application infrastructures as Storage accounts, Key vaults, Azure functions, Workflows, Logic apps, Event Hubs.
* Establish Service Connections in Azure Devops for Clouds (Azure, GCP), Configuration management tools, Agent servers etc.
* Experience in Kubernetes to deploy scale, load balance, and manage Docker containers with multiple names spaced versions using Helm charts.
* Automated Continuous Integration builds, deployments across multiple environments (Dev, UAT, PREP and PROD) each constituting different types of servers (DB, App, Web) and different number of servers.
* Implement cost-control strategies such as resizing, off-hours downsizing and shooting for optimum utilization ratio.
* Created Chef recipes for AD groups creation, Domain joining, enforcing security policies, installing Newrelic & Splunk, Crowdstrike installation and installing SCCM clients. All of them are pushed via Pipeline. Ansible playbooks are also used for Linux servers', whenever required.
* Designed and configured Azure Virtual Networks (vNETs), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing.
* Create & manage Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs and subnets.
* Manage Azure WvD environment and create Azure CLI scripts for health checks for validating the availability of servers in each VDI host pool.
* Deployed Cloud controls, Cloud Governance and Azure Security.
* Created resource groups using resource manager which allow to see cost/billing and monitoring information for resources within a resource group. and manage access to those resources as a set for individual customer.
* Setup NAT instances and NAT gateway to access internet without public IP and reduced cost and maintaining security.
* Documentation of Azure Processes for Company's future use.
* Experience in configuring managing Azure active directory - Users & groups, AD roles, Azure AD authentication.
* Plan and implement Disaster Recovery Strategy for Azure IaaS (using Azure Site Recovery) and for On-prem workloads (using Zerto)
* Install Newrelic for monitoring, configure custom attributes using YAML.
* Install and use SPLUNK for log management.

ON-PREMISES:

* Manage and maintain the complete on-premises Infrastructure comprising of Nutanix, Dell & CISCO hardware's with VMWare vSphere.
* Strong experience in System Administration, Installation, Upgrading Patches, Configuration, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on Windows servers (2012/2016/2019) & Red Hat Linux Systems.

AWARDS

1) Challenger of the Quarter, Q2 - 2020, Awarded by India Center CEO (Mr Cooper)
2) Best Contributor Award from VMware & Cognizant for the support on CMP Implementation, 2019
3) Best associate of the quarter, Q2-2017
4) Above & beyond Associate, Q3- 2018

PERSONAL SKILLS

Problem solver
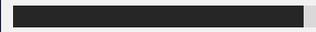
Team Player
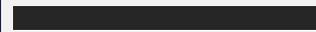
Leader
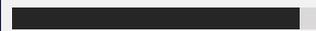
Goal Oriented
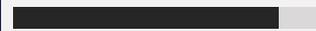
TRAININGS GIVEN

Have given several trainings on Azure service offerings and integration b/w Azure & CMP.

Lead and mentored a group of L1 Members on containerization architecture.

Knowledge sharing done on using Chef as a Configuration management Tool for Windows & Linux workloads.

Have tutored on vRealize Automation – Foundation, Concepts and Architecture.

PERSONAL DETAILS

Date of birth: 9th of February 1994

Marital status: Single

Citizenship: Indian

Passport number: M1596687