**Elkapally Suresh Kumar**

**Azure DevOps Engineer**

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# Career Objectives:

Competent and dynamic professional, offering a distinguished and insightful exposure of over **8** years of experience across high-growth environments in cloud & production support, implementation, configuring, monitoring and troubleshooting Windows, Hardware and implemented Azure cloud.

# Professional Summary:

* Overall **8** years of IT experience with **3.5**+ **Microsoft Azure** Cloud Engineer experience. Proven ability to successfully analyze an organization **cloud migration**, managing both classic & ARM portal.
* Troubleshooting access related issues, Azure services involving in software design and implementation of various Client Server applications.
* Experience in various Cloud service models, including **IaaS**, & **PaaS**, and supporting deployment models, including **Private**, **Public**, and **Hybrid cloud**.
* Good experience of **agile** development methodology in designing and implementation of Continuous Integration and Delivery (CI/CD) methodology.
* Configuring and managing Virtual Machines using Windows Azure portal, configuring and monitoring Cloud services.
* Proven experience on create **Branching** and **Tagging** concepts in Version Control tool like VSTS with GIT.
* Experience in Deployment of **Active Directory** in a multi-domain, multi-forest environment.
* Having Expertise knowledge in configuring the Site-to-Site and Point-to-Site **VPN** connections. Experience in **PowerShell scripting** for automation of technical activities.
* Good exposure in **Azure networking**, **Storage**, **VM provisioning**, **Automation**, **Monitoring**, OMS, AZ Copy, AD, **Application Insights**, **Azure Roles**, ARM etc.
* Hands on experience on Azure automation by creating Run books and **scheduling jobs**.
* Proficient in **ARM templates**, automated few ARM resource creations using ARM templates.
* Cloud automation's using Terraform by creating customized Virtual Networks, networking interfaces, SG, VM’s and storage accounts.
* Configured **Azure Virtual Networks** (VNets), subnets, Azure network settings, CIDR address blocks, DNS settings, security policies.
* Installing, Configuring and managing of Active directory, DNS, IIS and FILE servers.
* **Kubernetes** configuring , managing and troublshoot.
* Worked on **Docker images**, **Docker Containers**, **Dockers Volumes** and **Docker files**
* Working experience in **GIT**, **Jenkins**, **VSTS**, **TFS**, ARM Templates, **JIRA**.
* Setup Azure Virtual Appliances (VMs) to meet security requirements as software-based appliance functions (firewall, WAN optimization and intrusion detections).
* Exposed Virtual machines and cloud services in the VNets to the Internet using **Azure External Load Balancer**.
* Extensive experience in **PowerShell scripting** to automate many services management in Azure.
* Exposure to SDLC Activities like Agile methodology. Hands on Replication services LRS, ZRS and GRS, Good Knowledge in Database like **SQL Server**, **MySQL**.
* Installation and administration of Windows Servers 2012 R2 Datacenter Provided **high availability** for IaaS VMs and PaaS role instances for access from other services in the VNet with Azure Internal Load Balancer.
* Implemented high availability with Azure Resource Manager deployment models.
* Designed **Network Security Groups** (NSGs) to control **inbound** and **outbound** access to network interfaces (NICs), VMs and **subnets**.
* Expertise in **Blob storage** and **File storage** and Configured PAAS services like **App service**, **App service plan**.
* Deploying **web pages** into azure app services (PaaS) using File server.
* Adding, removing, or **updating user account** information, resetting passwords.
* Executing **builds** and **troubleshooting**, Interaction with **development and QA teams**.
* Managed environments **DEV**, **QA**, **UAT** and **PROD** for various **releases** and designed instance.
* Handled daily and nightly builds for multiple projects, implementation and configuring of **Azure backup**.

# Technical Skills:

Cloud Platform : **Microsoft Azure**

SCM Tools : **GitHub**, **Gitlab**, **Bitbucket**, **Azure Repo’s**

Build Tools : **Maven**, **MS Build**.

CI/CD Tools : **Jenkins**, **VSTS**(Azure DevOps), **Octopus**, **Visual Studio 2017**

Operating Systems : **Windows**,**Linux**

Scripting Language : **PowerShell scripting**, **JSON**, **YAML**, **ARM Templates & Terraform**.

Bug & Issue Tracking Tools : **Jira**

Container tool : **Docker**

Orchestration : **Kubernetes**

**Experience Summary**:

* Currently Working as **Azure** **DevOps Engineer** at **Bizdom Technologies Pvt Ltd,** from **May-2016 to Till Date**.
* Worked as process associate at **Genpact india Pvt Ltd**, from **Nov- 2012 to May- 2016**.

## Education:

* **Master of Business Administration from Aurora Collage, JNTUH in 2009**

**Client: Infomagnus LLC**

**Bizdom Technologies Pvt Ltd : DevOps Engineer**

**Roles and Responsibilities:**

* Involved in the process of hosting/deploying the entire application in to Microsoft Azure Cloud.
* Working with Microsoft Azure Cloud Services and deploying the servers through Azure Resource Manager Templates or Azure Portal.
* VM deployments using portal and PowerShell.
* Responsible for creating Network Security Groups and add inbound rules.
* Write PowerShell and schedule to shutdown virtual machines during off business hours
* Create storage accounts for dev& QA teams for their application development and testing purpose
* Create ARM templates to reuse similar deployment with some standard configurations and naming conventions
* Evaluation Azure VMSS to auto scale up and scale down Azure VM workloadss
* Create PowerShell script to manage multiple subscriptions in Classic portal using publish settings file.
* Create users in Azure AD from Portal as well as form Power Shell.
* Migration of on-premises VM’s (Hyper-V & VMware) to Azure.
* Migration of Azure VM’s from Classic portal to ARM portal.
* Adding addition disks to Azure VM upon receiving request
* Scale up and scale down various services like VMs, SQL Servers (DTUs).
* Creation of Azure NIC, Azure Virtual networks, Azure VM’s and provide access users
* Managing entire Azure infrastructure services
* Worked on Azure services involving in software design and implementation of various Client Server applications with MS-SQL Server 2005, 2008, Microsoft Azure, My Sql,Java Script, XML, JSONetc.
* Create web apps for developers to do development work
* Update files with infrastructure details like Sql connection string, storage account details etc.
* Hands on experience in micro-services application, installation and configuration of Kubernetes,

clustering them and managed local deployments in Kubernetes.

* Provide read access of Azure subscription to users upon approvals from higher management
* Provided consistent environment using Kubernetes for deployment scaling and load balancing to the

application from development through production, easing the code development and deployment

pipeline by implementing Docker containerization.

* Preparing the recovery services vault and finalize the azure resources.
* Migration Using ASR services, Greenfield Migration.
* Hands on experience with deployment automation of all the Micro-services to pull image from the

private docker registry & deploy to Kubernetes cluster

* Working with the application Owner for the Data assessment and Getting Approvals.
* Performing the cutover activities and post migrations step.
* Performing Failover, the application to azure.
* Assist customers with Azure and GitHub templates, ASM to ARM migrations and on premise to Cloud Migrations.
* Capturing the failover VM & Deploying the New VM with an azure image, Adding Virtual machines to the active domain.
* Installing the azure VM Agents for integrating the Azure Backup services.
* Enabling and configuring the Backup policy on Virtual Machines.
* Deploy and manage the Azure Services like Virtual Machines, Web Apps, Storage, Azure Active Directory, Virtual Networks, and Azure CDN & Microsoft Operations Management Suite (OMS).
* Providing solutions to the Customers based on the requirements/service requests.
* Worked on Docker images, Docker Containers, Dockers Volumes and Docker files.
* Installing, upgrading, configuring, troubleshooting Windows Servers.
* Configuring storage account access, diagnostics & monitoring.
* Installing and configuring IIS and FTP services, creation of FTP sites.
* Performing health checks on server for space and memory management, antivirus updates.

**Client: Heineken**

**Genpact : Process Associate**

**Roles and Responsibilities:**

* Automating all the Build and Deployment tasks using Power shell.
* Configuring and setting up build environment on Build servers.
* Installing TFS Build service and configuring Build Agents and Controllers.
* Configuring Agent queue, Pool and Agents for vNextbuilds.
* Updating the Build Servers with the latest software according to the client requirement.
* Monitoring the availability of Build VMs.
* Providing assistance to the users in understanding the TFS/VSO Build system.
* Execute Automated Tests using Microsoft Test Manager.
* Reporting of Build Results, Unit Test Code Coverage and Static Code Analysis.
* Troubleshoot issues in build and deployment automation.
* Developing and publishing build/deployment tasks in VSO.
* Migrating projects from on premises TFS to VSO.
* Regular sync-ups with the clients for service enhancements and gathering new requirements.