# USHA MAHALI Email: [ush](mailto:usha840309@gmail.com)amahali9999[@gmail.com](mailto:usha840309@gmail.com)

**Azure DevOps Engineer Phone: 9063562853**

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**PROFESSIONAL SUMMARY:**

* Around **12+ years** of IT Industry experience, relevant **5+ years** of experience in **Microsoft Azure Cloud Platform as Azure Administrator and Devops Engineer.**
* Implementing and Managing Azure VMs, Virtual Networks, Configuring Virtual Network Connectivity, Configuring Subnets, Region Peering, Global Peering, Deploy Vnet Gateway, Under- standing UDR
* Experience with Configuration Management automation tool Ansible and has worked on integrating Ansible YAML Scripts.
* Worked on CI/CD tool Jenkins to automate the build process from version control tool into testing and production environment.
* Experience with Version Control Systems like GIT, GITHUB, and Bitbucket.
* Monitor, build and deploy software releases and provide support for production deployments.
* Understanding and Configuring Network Security Groups, Creating and Updating Inbound and Outbound Security Rules, Creating NSG with ASG
* Overview of Azure Firewall as a Service, Configure Routing on UDR and Assigning to Subnets, Create Network Rule Collection and Application Rule Collection to Check the Traffic and Block Traffic, Understanding SNAT and DNAT in Azure Firewall
* Implementing and Configuring Azure Virtual Machines
* Designing and Implementing Azure Load Balancing, Creating Backend Pools, Health Probes and Load Balance Rules
* Configure Azure DNS and AZURE Standard Load Balancer, Installing Active Directory domain services, DNS, IIS and file servers
* Configuring Azure Application Gateway
* Configuring Auto Scaling with Virtual Machine Scale Sets
* Planning and Implementing Azure Storage
* Configure and Manage Azure Backup and Disaster Recovery Services
* Planning and Implementing Azure SQL Database
* Implementing Azure APP Services
* Implementing Azure Active Directory
* Implementing Azure Based Management and Automation
* Designing and Developing Apps for Containers
* Configure Diagnostics, Monitoring, and Analytics
* Understanding Azure DEVOPS Application Tool, Creating KANBAN Boards, Repos and Branches, install 3rd Party Plugins, Creating Release Pipelines and Deploy Infrastructure
* Create and Execute Azure Functions, Logic Apps and Azure API Management
* Hands on experience on ARM templates.

**TECHNICAL SKILLS:**

Source Code Repository : GitHub, GitLab

Operating system : Windows 2008/2012/2016/2019 Server

Cloud and Technologies : Azure Admin, Azure IAAS, Arm Templates, Azure PAAS,

Azure Analytics

Scripting : Power Shell, Azure cloud shell, Shell Scripting

Automation : Ansible (Configuration Management), Chef Server,

Terraform (Infrastructure as code)

Containerization : Docker, Kubernetes, AKS, EKS, GKE

Monitoring : App insights, New Relic, Splunk, Prometheus, Grafana

CI/CD : Azure DevOps, VSTS, Jenkins, GitLab, Bitbucket.

ITIL : Service Now, Jira, Confluence, SharePoint

Basic Knowledge : Networking, DBMS

**WORK EXPERIENCE:**

* Worked as a Senior Technical Specialist for **Zensar Technologies TD**, Hyderabad from April 2023 to Sep 2023.
* Worked as a Senior associate Infrastructure L2 for **Publicis Sapient**, Hyderabad from June 2022 to April 2023.
* Worked as a Tech Lead for **Tech Mahindra**, Hyderabad from November 2021 to June 2022.
* Worked as System Administrator for **IBM India PVT LTD**, Hyderabad from April 2016 to October 2021.
* Worked as Technical support Engineer for **AT&T Global Business Services India PVT LTD** from October 2010 to March 2016.

**EDUCATIONAL QUALIFICATION:**

* Master of Science (Computers)
* Bachelor of Science (Computers)

**PROJECT SUMMARY:**

**Project#1**

**Client** **:** **Ninety One**

**Role** **: Senior Associate Infrastructure L2**

**Duration** **: June 2022 to April 2023**

**Environment** **: Web Services, SVN, ANT, Jenkins, Docker, Kubernetes, Terraforms, Linux, Azure**

**Html, CSS, Apache & Tomcat**

### **Roles and Responsibilities:**

* Configuring a system, Management of Plugins and Nodes, Creating & Scheduling jobs, viewing the system logs using Jenkins.
* Experienced in deploying micro service applications using Docker.
* Good understanding of Docker composes files and deploying services using stack deploy.
* Used JIRA for issue reporting.
* Working closely with Azure partner team to optimize our platforms and hosting design
* Drive the rapid restoration of Mission Critical customer applications built on the Azure Platform
* Drive continuous improvement in the Azure platform incorporating feedback from internal/external customers
* Handling customer escalation and leveraging data to drive further improvements in the platform
* Providing quality support globally for Microsoft Windows Server with a high degree of customer satisfaction.
* Responsible to perform research on highly complex cases and to find out the root cause of the issue to achieve the customer satisfaction.
* Managing IaaS for customers.
* Provisioning VNET’s, Storage Accounts and Virtual Machines in AZURE.
* Documenting the technical issues and preparing new TSG’s for the support groups.
* Managed build results in Jenkins and deployed using workflows.
* Involved in setting up container orchestration such as Kubernetes.
* Writing Kubernetes manifest files for Deployments in Kubernetes cluster.
* Experience in implementing Continuous delivery framework using Jenkins, Maven, Docker Wrote Ansible Play-Books for deploying the applications using Ansible.
* Developed Ansible scripts for an automated server provisioning.
* Provisioning Kubernetes Clusters and deploying applications on Kubernetes.
* Managed Entire chef Configuration management tool for provisioning the cloud infrastructure.
* Work on maintaining Kubernetes Clusters and Kubernetes Services.
* Maintained and administered GIT source code tool, Created Branches, Labels and performed Merges in GIT.
* Provide troubleshooting and timely resolution of system, network and infrastructure problems.
* Monitoring Remote Hosts/Servers and Services using Nagios Server.

### **Project#2:**

**Client** **: Talk Talk**

### **Role** **: Technical Lead**

### **Duration** **: November 2021 to June 2022**

### **Environment** **: Azure, Maven, GIT, Jenkins, Shell Scripting, Tomcat, Linux, Ansible**

### **Roles and Responsibilities:**

* Worked on various Azure services like Compute (Web Roles, Worker Roles), Azure Websites, SQL Azure, Storage, Network services, Azure Active Directory, API Management, Scheduling, Auto Scaling, and PowerShell Automation.
* Provided high availability for IaaS VMs and PaaS role instances for access from other services in the VNet with Azure Internal Load Balancer.
* Successfully migrated companies from various environments into Office 365 Cloud Services.
* Identifying opportunities to improve infrastructure that effectively and efficiently utilizes the Microsoft Azure Windows server 2008/2012/R2, Microsoft SQL Server, Microsoft Visual Studio, Windows PowerShell, Cloud infrastructure.
* Create the Virtual Machine cluster and load balance for VM's using PowerShell in SQL & Windows Environment.
* Deployed Azure IaaS virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets.
* Designed Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs and subnets.
* Provided high availability for IaaS VMs and PaaS role instances for access from other services in the VNet with Azure Internal Load Balancer.
* Tested and deployed existing security patches via Microsoft Intune for workstations.
* Script, debug and automate PowerShell scripts to reduce manual administration tasks and cloud deployments.
* Manage hosting plans for Azure Infrastructure, implementing & deploying workloads on Azure virtual machines (VMs), Design and implement VM storage & good understanding on implementing images/disks.
* Wrote PowerShell scripts to automate application deployment and data collection.
* Azure Cloud Infrastructure design and implementation utilizing ARM templates.
* Created users and groups using IAM and assigned individual policies to each group.
* Creating Azure Backup vault and protecting required VMs to take the VM level backups.
* Managed internal deployments of monitoring and alarm services for the Azure Infrastructure (OMS).
* Working knowledge of SQL language and experience with supporting RDBMS (MySQL, MS SQL, Oracle)
* Support the infrastructure to enable strategic and effective use of tools by using the optimal configurations.
* Work closely with other engineers to deliver on time and above expectations
* Thorough understanding of server and network protocols and technologies i.e., DNS, DHCP, VLAN, TCP/IP, NTP, etc.
* Experience with large scale physical & virtual infrastructure deployments.
* Design and develop solutions using Microsoft Azure PaaS resources such as Service Fabric, IoT Hub, Event hub, Stream analytics, Document DB, app services, service bus, distributed cache.
* Work with Security team for verifying connectivity within the workload subscriptions and between other on-prem domains and Azure cloud.
* Collecting data from Azure Resources using Log Analytics and stored in the Azure storage and analyze the data to resolve issues.
* Hands on experience in CI/CD and Deployment through Azure Devops
* Understanding Azure DEVOPS Application Tool, Creating KANBAN Boards, Repos and Branches, install 3rd Party Plugins, Creating Release Pipelines and Deploy Infrastructure
* Create and Execute Azure Functions, Logic Apps and Azure API Management

### **Project#3:**

### **Client : American Family Insurance**

### **Role** **: System Administrator**

### **Duration** **: April-2016 – OCT 2021**

### **Roles and Responsibilities: ￼**

* Configuring a system, Management of Plugins and Nodes, Creating & Scheduling jobs, viewing the system logs using Jenkins.
* Experienced in deploying micro service applications using Docker.
* Good understanding of Docker composes files and deploying services using stack deploy.
* Used JIRA for issue reporting.
* Working closely with Azure partner team to optimize our platforms and hosting design
* Drive the rapid restoration of Mission Critical customer applications built on the Azure

Platform

* Drive continuous improvement in the Azure platform incorporating feedback from

internal/external customers

* Handling customer escalation and leveraging data to drive further improvements in the

platform

* Providing quality support globally for Microsoft Windows Server with a high degree of

customer satisfaction.

* Responsible to perform research on highly complex cases and to find out the root cause of

the issue to achieve the customer satisfaction.

* Managing IaaS for customers.
* Provisioning VNET’s, Storage Accounts and Virtual Machines in AZURE.
* Documenting the technical issues and preparing new TSG’s for the support groups.
* Managed build results in Jenkins and deployed using workflows.
* Developed Ansible scripts for an automated server provisioning.
* Managed Entire chef Configuration management tool for provisioning the cloud

infrastructure.

* Provide troubleshooting and timely resolution of system, network and infrastructure

problems.

* Monitoring Remote Hosts/Servers and Services using Nagios Server.

### **Project#4:**

### **Client** **: AMR Corporation**

### **Role : Technical Support Engineer**

### **Duration** **: August 2010 - March 2016**

**Roles and Responsibilities:**

* Manually tested software for defects as per the checklists.
* Defect and issue identification, logging, tracking, resolution, and reporting.
* Verified and handled, Server Pre-Production and Post-production Support for AT&T Hosting, and Application Services Offerings.
* Handled mandatory checks on systems, and verification for Hosting and Application Ser- vices.
* Maintained Linux, UNIX and Windows servers, set up environmental variables and data- bases for testing purposes.
* Checked Blade logic Server for net backups on the servers (RHEL and Windows Server 2008/2012) and reported the issues.
* Understanding client requirements and functionality of the system.
* Assisting Technical Project managers (TPM), Project Implementation managers (PIM), and QAT engineers for various clients Operational Acceptance Testing.
* Executed the test cases and report defects.
* Monitored the test cases and the test environment and gathered performance metrics.