# Name: Siddhartha Ramana Venkata

Email: [siddhartharamanavenkata9@gmail.com](mailto:siddhartharamanavenkata9@gmail.com) | Mobile: 615-775-3245|Linkein

**Summary of Qualifications:**

* Overall 10+ years of experience in the IT Industry with progressive experience as Azure Cloud Engineer (Azure DevOps and Azure IAAS/PAAS).
* Performed administrative tasks that include build, design, and deploy of Azure environment.
* Implemented a CI/CD pipeline with Docker, Jenkins (TFS Plugin installed), Team Foundation Server (TFS), GitHub, and Azure Container Service, whenever a new TFS/GitHub branch gets started, Jenkins, our Continuous Integration (CI) server, automatically attempts to build a new Docker container from it.
* Analyzing traffic across load balancers using Azure Traffic Manager.
* Configured PaaS services like App service, App service plan.
* Creation of Recovery Services Vault and configuring backup policies to trigger VM backups using Azure IaaS backup and using azure recovery services agent.
* The engineer troubleshoots and resolves infrastructure-related issues and implements security measures to protect data and integrate with any GTS norms.
* Creation of Virtual Machines, Virtual Networks, Storage, Backups on Azure as per requirement, Azure Run book as per requirement.
* Creation of VSTS pipeline for continues Integration and continues Deployment.
* Defining Virtual Networks and defining Subnets based on various environments like Production and Non-Production.
* Designed Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs and subnets.
* Experience in Azure Administration, DevOps, Configuration management, Continuous Integration and Delivery (CI/CD). Experience in dealing with windows and Unix/Linux.
* Experience with continuous integration systems such as Jenkins.
* Expertise in implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Blob Storage, Azure VMs, Azure Service Fabric, Azure Monitor.
* Expertise in moving the resources from on-premises to Cloud.
* Exposed Virtual machines and cloud services in the V Net to the Internet using Azure External Load Balancer.
* Having Expertise knowledge in configuring the Point-to-Site and Site-to-Site VPN connections.
* Provided high availability for IaaS VMs and PaaS role instances for access from other services in the V Net with Azure Internal Load Balancer.
* Worked on networking concepts. Experience in designing Azure Virtual Network, Implementing Site-to-Site VPN and Network Security Groups (NSG).
* Working and building end to end solutions and plans like scaling up VMs, rebuilding the already built Virtual Machines in Azure with the minimum of downtime for the Production Application / Websites, Migrating VMs to different storage account / virtual network / subnet.
* Working knowledge of build automation and CI/CD pipelines.
* Advanced user of Terraform and Ansible for infrastructure as code and configuration management, streamlining cloud infrastructure provisioning and maintenance.

**Technical competencies:**

Cloud Platforms & Services: Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor, and Azure Active Directory

Data Processing & Analytics: Apache Kafka, Azure Data Lake, Azure DataStage, Azure Data Factory, Data Flow

Database Management: SQL Database, Mongo Db, MySQL, Cassandra, Snowflake, SQL,

DevOps & CI/CD: Jenkins, Docker, Ansible, Terraform, Maven, GIT

Programming Languages: Python, NumPy, Pandas, Scala, Golang, R, Shell Scripting

Data Visualization: Tableau, Power Bi, MicroStrategy, Quicksight, MS Office

APIs & Web Services: RESTFul API, JSON, JAXB, XML, WSDL, Soap UI

Machine Learning & Statistics: Cross Validation

Software & Tools: Web Sphere, Splunk, Tomcat, Linux, Bloomberg, RedHat, Azure Data Bricks

**Professional Experience:**

***Client: Ascena Retail Group -Pataskala, OH*** *April 2023 - Present*

***Role: Sr. Azure Cloud Engineer***

**Roles & Responsibilities:**

* Creation of Virtual Machines, Virtual Networks, Storage, Backups on Azure as per requirement, Azure Run book as per requirement.
* Defining Virtual Networks and defining Subnets based on various environments like Production and Non-Production.
* Deployed VM’s using ARM Templates
* Working and building end to end solutions and plans like scaling up VMs, rebuilding the already built Virtual Machines in Azure with the minimum of downtime for the Production Application / Websites, Migrating VMs to different storage account / virtual network / subnet.
* Worked on networking concepts. Experience in designing Azure Virtual Network, Implementing Site-to-Site VPN and Network Security Groups (NSG).
* Creation of Recovery Services Vault and configuring backup policies to trigger VM backups using Azure IaaS backup and using azure recovery services agent.
* Management of Virtual and Physical machines as per the requirement, maintenance of servers with server list. Responsible to maintaining the new onboarding servers.
* Worked on installation and maintenance of monitoring tool SCOM, have experience on resolving SCOM alerts daily basis.
* Experience in Deployment, Migration, Patching in PPE and Production environment
* Responsible for operating system updates, patches, and configuration changes.
* Expertise in Azure Scalability and Azure Availability - Build VMs availability sets using the Azure
* portal to provide resiliency for IaaS based solution and Virtual Machine Scale Sets (VMSS) using Azure Resource Manager (ARM) to manage network traffic.
* Experience in migrating on-premises applications to Azure and configured VNETs and subnets as per the project requirement
* Knowledge of Azure Site Recovery and Azure Backup Installed and Configured the Azure Backup agent and virtual machine backup, Enabled Azure Virtual machine backup from the Vault and configured the Azure Site Recovery (ASR).
* Implemented a CI/CD pipeline using Azure DevOps (VSTS, TFS) in cloud GIT, MS Build and Docker.
* Working with Disk level snapshots for Azure VM’s when we require for patching or any changes.
* Capturing the Images with Azure managed disks and deploying the multiple VM’s for Test and Dev environments.
* Creating new VM in azure and installed some required software's and captured a VM to create a multiple VMs by using the captured image.
* Site to site connectivity between on premises to Azure.
* Creating the Storage accounts.
* Creating Disks for uploaded VHDs and by using that creating VMs. (uploaded to storage)
* Creating the Windows and Linux Virtual Machines in Azure as per end user requirement
* Troubleshooting the network connectivity issues for Azure VM’s
* Increase the Disk space capacity and adding the new disks to the VM’s as per requirements.
* Change of sizes for the VM’s as per requirements
* Creating Virtual Networks in Azure, Defining the subnet classifications as per department wise
* Decommissioning the VM’s in Azure to clean up all the components related to specific VM’s
* Starting and stopping the VM’s in Azure for Ad-hoc requests
* Creating the Network Security groups for application which is hosted inside of the zure M’s to access outside
* Capturing the Images with Azure managed disks and deploying the multiple VM’s for Test and Dev environments.
* Working with Disk level snapshots for Azure VM’s when we require for patching or any changes.

**Environment:** Azure, Jenkins, Docker, SQL, Spark, RESTFul API, JSON, XML, MySQL, Redshift, Jenkins, MicroStrategy

***Client: Truist Bank - Charlotte, NC*** *March 2022 - April 2023*

***Role: Sr. Azure Architect Cloud Engineer***

**Roles & Responsibilities:**

* Designing DevOps strategy, Implementing DevOps development processes, implementing continuous integration Implementing continuous delivery Implementing dependency management
* Expertise in implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor, and Azure Active Directory.
* Hands on experience on Backup and restore Azure services and in Design and configure Azure Virtual Networks (VNETs), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing. Azure cloud services, Blob storage and Active directory.
* Expertise in Azure Scalability and Azure Availability - Build VMs availability sets using the Azure portal to provide resiliency for IaaS based solution and Virtual Machine Scale Sets (VMSS) using Azure Resource Manager (ARM) to manage network traffic.
* Experience in migrating on-premises applications to Azure and configured VNETs and subnets as per the project requirement
* Knowledge of Azure Site Recovery and Azure Backup Installed and Configured the Azure Backup agent and virtual machine backup, Enabled Azure Virtual machine backup from the Vault and configured the Azure Site Recovery (ASR).
* Designed Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs and subnets.
* Having Expertise knowledge in configuring the Point-to-Site and Site-to-Site VPN connections.
* Implemented a CI/CD pipeline using Azure DevOps (VSTS, TFS) in cloud GIT, MS Build and Docker.
* Working with Disk level snapshots for Azure VM’s when we require for patching or any changes.
* Capturing the Images with Azure managed disks and deploying the multiple VM’s for Test and Dev environments.
* Creating new VM in azure and installed some required software's and captured a VM to create a multiple VMs by using the captured image.
* Site to site connectivity between on premises to Azure.
* Creating the Storage accounts.
* Creating Disks for uploaded VHDs and by using that creating VMs. (Uploaded to storage)
* Creating the Windows and Linux Virtual Machines in Azure as per end user requirement Troubleshooting the network connectivity issues for Azure VM’s.

**Environment:** Azure, Azure services, Web apps, Functional apps ,CI/CD, Jenkins, Docker, SQL, Spark, RESTFul API, JSON, XML, MySQL, Redshift, Jenkins, MicroStrategy

***Client: AbbVie - Vernon Hills, IL*** *July 2021 - March 2022*

***Role: Cloud Engineer***

**Roles & Responsibilities:**

* Engineered data integration pipelines using Azure Data Factory, streamlining data flow from research datasets to Azure Data Lake, supporting immunology research projects.
* Managed and optimized Azure Storage solutions for secure and scalable storage of large-scale genomic data, enhancing data accessibility for oncology research.
* Developed and maintained robust data processing frameworks using Azure Databricks, facilitating advanced analytics on clinical trial data.
* Implemented JMeter and Kafka for real-time data ingestion and processing, improving data quality and speed for gastroenterology research outcomes.
* Automated deployment and configuration processes using Ansible and Jenkins, ensuring reliable and efficient application updates within research environments.
* Containerized research applications and data processing tools using Docker, enhancing portability and scalability across computing environments.
* Managed build and deployment pipelines using Maven and GIT, streamlining code integration and version control for data engineering projects.
* Administered Linux and Red Hat servers hosting data-intensive applications, ensuring high availability and performance for data analysis tools.
* Wrote and optimized Python scripts for data manipulation and analysis, extracting insights from complex biomedical data.
* Developed Shell Scripting routines for automating data processing tasks, reducing manual effort and increasing efficiency in data management.
* Configured and maintained MYSQL databases, supporting structured data storage for research findings and clinical data.
* Implemented Elastic Search for fast and scalable search capabilities across vast repositories of research documents and data.
* Utilized Golang for developing high-performance data processing tools, enhancing data throughput for large-scale data sets.
* Managed Web Sphere and Tomcat servers, ensuring robust hosting environments for web-based research data applications.
* Integrated Splunk for log management and analysis, monitoring data processing pipelines and ensuring system health.
* Automated testing and validation of web services using Soap UI, ensuring data integrity and reliability in research data exchange.
* Orchestrated containerized environments using Kubernetes, facilitating scalable and manageable deployment of data applications.
* Employed Terraform for infrastructure as code (IaC) management, automating cloud infrastructure provisioning and ensuring reproducibility.
* Developed PowerShell scripts for automation and configuration tasks, enhancing operational efficiency in cloud and on-premises environments.
* Ensured data pipeline integrity and security through continuous integration and delivery (CI/CD) practices using Jenkins and GIT.
* Optimized data query performance and analysis using Azure Data Lake and Azure Databricks, supporting fast-paced research and development.
* Implemented secure data exchange and APIs with Azure Data Factory, facilitating seamless data integration across research platforms.
* Automated environment setup and application deployment using Docker and Kubernetes, reducing setup times for data processing environments.
* Utilized Ansible for configuration management, ensuring consistent environments across development, testing, and production.
* Integrated Splunk for real-time monitoring and analytics of data operations, enhancing visibility and insights into data processing performance.

**Environment**: Azure Data Factory, Azure Data lake, Azure storage, Azure Data Bricks, JMeter, Kafka, Ansible, Jenkins, Docker, Maven, Linux, Red Hat, GIT, Python, Shell Scripting MYSQL, Elastic Search, Golang, Web Sphere, Splunk, Tomcat, Soap UI, Kubernetes, Terraform, PowerShell

**CLIENT:** BYDINT IT SOLUTIONS PVT LTD, GLOBAL DATA, HYD APRIL 2022 TO JULY 2021

**ROLE:** DEVOPS ENGINEER

DESCRIPTION: Global Data Plc is a leading provider of data, analytics, and insights on the world's largest industries. In an increasingly fast-moving, complex, and uncertain world, it’s never been harder for organizations and decision-makers to predict and navigate the future. Which is why Global Data exists - its mission is to help clients decode the future and profit from faster, more informed decisions.

As a leading information services company, thousands of clients rely on Global Data for trusted, timely, and actionable intelligence. Its solutions are designed to provide a daily edge to professionals within corporations, financial institutions, professional services, and government agencies.

### RESPONSIBILITIES:

* Creation of Virtual Machines, Virtual Networks, Storage, Backups on Azure as per requirement, Azure Run book as per requirement.
* Defining Virtual Networks and defining Subnets based on various environments like Production and Non-Production.
* Deployed VM’s using ARM Templates
* Working and building end to end solutions and plans like scaling up VMs, rebuilding the already built Virtual Machines in Azure with the minimum of downtime for the Production Application / Websites, Migrating VMs to different storage account / virtual network / subnet.
* Worked on networking concepts. Experience in designing Azure Virtual Network, Implementing Site-to-Site VPN and Network Security Groups (NSG).
* Creation of Recovery Services Vault and configuring backup policies to trigger VM backups using Azure IaaS backup and using azure recovery services agent.
* Management of Virtual and Physical machines as per the requirement, maintenance of servers with server list. Responsible to maintaining the new onboarding servers.
* Worked on installation and maintenance of monitoring tool SCOM, have experience on resolving SCOM alerts daily basis.
* Experience in Deployment, Migration, Patching in PPE and Production environment
* Responsible for operating system updates, patches, and configuration changes.
* Partially Responsible for configuring and deploying web applications on IIS servers and configuring windows 2003/2008.
* Hands on experience on Automation of patching.
* Installed and configured SQL server 2008 R2.
* Good technical Knowledge and highly understanding of automated scripts like PowerShell scripts for deployment/patching/Migration.
* Extensive knowledge on DNS, DHCP and AD.
* Plan, document, execute, and monitor backup operations and schedules, as well as disaster recovery of data, applications, and servers.
* Installed active directory and configured windows 2008 servers as Domain Controllers.
* Responsible for configuring IIS security and windows firewall rules.
* Monitoring IIS application logs, System logs and security logs by using Event Viewer for troubleshooting application and windows server related issues.
* Configured host headers to configure multiple web sites on same IP and Port.
* Configured application pool properties and assigned them to various web application.
* Implemented and maintained backup and maintenance procedures to ensure reliability and coverage.
* Handled security, performance, and tuning issues on Web servers to optimize performance
* Participated in disaster recovery planning and implementations.

**CLIENT:** BYDINT IT SOLUTIONS PVT LTD,DELHAIZE, HYD APRIL 2026 TO JULY 2020

**ROLE:** AZURE INFRASTRUCTURE ENGINEER

DESCRIPTION:

Ahold Delhaize is one of the world’s largest food retail groups, a leader in supermarkets, and e-commerce and a company at the forefront of sustainable retailing. Ahold Delhaize’s international headquarters is in Zaandam, the Netherlands. It’s family of great local brands serves more than 54 million shoppers each week in the United States, Europe and Indonesia.

Each brand shares a passion for delivering great food, value and innovations, and for creating inclusive workplaces that provide rewarding professional opportunities. Our brands have also established meaningful, lasting commitments to strengthen local communities, source responsibly and help customers make healthier choices.

### RESPONSIBILITIES:

* Expertise in implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor, and Azure Active Directory.
* Hands on experience on Backup and restore Azure services and in Design and configure Azure Virtual Networks (VNETs), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing. Azure cloud services, Blob storage and Active directory.
* Expertise in Azure Scalability and Azure Availability - Build VMs availability sets using the Azure
* portal to provide resiliency for IaaS based solution and Virtual Machine Scale Sets (VMSS) using Azure Resource Manager (ARM) to manage network traffic.
* Experience in migrating on-premises applications to Azure and configured VNETs and subnets as per the project requirement
* Knowledge of Azure Site Recovery and Azure Backup Installed and Configured the Azure Backup agent and virtual machine backup, Enabled Azure Virtual machine backup from the Vault and configured the Azure Site Recovery (ASR).
* Implemented a CI/CD pipeline using Azure DevOps (VSTS, TFS) in cloud GIT, MS Build and Docker.
* Working with Disk level snapshots for Azure VM’s when we require for patching or any changes.
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* Starting and stopping the VM’s in Azure for Ad-hoc requests
* Creating the Network Security groups for application which is hosted inside of the Azure VM’s to access outside
* Capturing the Images with Azure managed disks and deploying the multiple VM’s for Test and Dev environments.
* Working with Disk level snapshots for Azure VM’s when we require for patching or any changes.