

NAGARJUNA N

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As a Azure Technical consultant worked on diversified roles as **Azure administrator+Azure Devops+Azure Data Engineer** with over 10+ years of experience in design, development, deployment, management of complex solutions on Microsoft Azure/AWS for clients from different domains(Telecom,Manufacturing,Life Science,Energy&Healthcare).Able to understand the current technology landscape, design a future state on cloud environment, and create a cloud strategy migration/modernization roadmap with automated CICD Pipeline using Azure Devops. Demonstrated mastery in working with SCRUM teams and successfully releasing value products consistently.

SKILLS

| | |
|-------------------------------------|--|
| Cloud Technologies worked: | Microsoft Azure,AWS & GCP |
| CICD Tools | : Azure Devops (VSTS),Jenkins, Git, Maven, SonarQube,Nexus. |
| Azure advanced services | : Azure Synapse Analytics,Azure Data Factory,ASE, Cosmos DB,AKS |
| Virtualization Technologies | : VMWare |
| Reporting &Monitoring Tools/Others: | Tableau,Azure OMS, Service Now,Power BI, |
| Infra-As-Code | : ARM Template,Terraform |
| Containers | : Docker,Kubernetes, AKS, ACI |
| Monitoring | : Nagios, Splunk, Azure Monitor Dash Board:Power BI |
| Azure services | : Azure VM's,Network,Storage,Migrate Services,Azure Site Recovery service,APP Service environment Setup,App service, Logic Apps, Key Vault, Function app, Logic apps, Azure SQL service, Azure Storage, Azure Backup,ARM Templates oyment,Azure Data factory,Redis Cache, |
| AWS Services | : EC2, ELB, VPC, S3, CloudFront, IAM,EKS , CloudWatch, SNS |

DWH Tools : Informatica Power Center
Enterprise Architecture Framework TOGAF9.

Certifications Summary:

| Certification | Issued By |
|---|-----------|
| Azure Solution Architect Associate (AZ-300) | Microsoft |
| Azure System Administrator (AZ-103) | Microsoft |
| Microsoft Certified Trainer (MCT) | Microsoft |
| AWS Solution Architect Associate | Amazon |

Employment History

| Organisation | Work Tenure | Designation |
|---------------------------|-----------------------|--------------------------|
| Providence Global Center | Dec 2020-Till Date | Principal Consultant |
| Tata Consultancy Services | March 2018 - Dec 2020 | Assistant Consultant |
| ABB Group | Jul 2017 - March 2018 | Technical Lead |
| Tech Mahindra Ltd | Nov 2010 - June 2017 | Senior Software engineer |

Onsite Experience:

| Location | Client | Role |
|-----------------------|-----------------|------------------|
| London,United Kingdom | British Telecom | Azure Consultant |

Professional Information

Organization: Providence Global Center

Domain: HealthCare

- Experience in Azure IAAS – Virtual Machine Scale Sets, Virtual Machines, Load Balancers, Traffic Manager, Virtual Networks, Resource Groups etc.
- Expertise in Architecting and Implementing Azure Service Offering, such as Azure cloud services, Azure storage, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure, Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure Kubernetes Service, Azure Monitor, and Azure Application gateways etc.
- 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 also performed Azure DevOps pipelines to do Deployments to Azure.
- 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 pipelines using Azure DevOps (VSTS, TFS) in both cloud and on-premises with GIT, MS Build, Docker, Kubernetes, Maven along with Jenkins's plugins.
- Experience in writing Infrastructure as a code (IaC) in Terraform, Azure resource management. Created reusable Terraform modules in Azure environments.
- Hands-on in with Kubernetes, container storage, automation, to enhance container platform multi-tenancy.
- Proficiency in using Docker Hub, Docker Engine, Docker images, and Docker Registry and used containerization to make applications platform when moved into different environments.

- Proficient in creating Docker images using Docker File, worked on Docker container snapshots, removing images, and managing Docker volumes and implemented Docker automation solution for CI/CD model.
- Involvement in developing APIs using Kubernetes to manage and specify the copies of the containers to run the actual servers in the cloud environment. Scheduled, deployed and managed container replicas onto a node cluster using Kubernetes and deployed Docker containers through Kubernetes to manage the microservices using its Nodes, Pods, Config Maps, Selectors, Services.
- Expertise in configuring the monitoring and alerting tools according to the requirement like Prometheus and Grafana, setting up alerts and deployed multiple dashboards for individual applications in Kubernetes.
- Skilled with Bash/Shell, PowerShell, YAML, Groovy. Developed Shell Scripts used to automate day to day administrative tasks and automation of the build and release process.
- Implemented cloud services IAAS, PAAS, and SaaS which include Docker and OpenShift.
- Good knowledge on using Artifactory repos for Maven builds.
- Having experience on developing and executing Shell scripts
- Good knowledge on Linux and windows Servers.
- Hands on monitoring and alerting services for servers using New Relic and Kibana.
- Hands on experience using Bug tracking tools like JIRA.
- Experience in writing Ansible Playbooks to automate the deployment process and to integrating Ansible into Jenkins jobs for a continuous delivery framework.
- Knowledge of databases like MySQL, Oracle, and SQL Server.
- Ability in managing all aspects of the software configuration management process including code compilation, packaging / deployment / release methodology and application configuration.
- Experience in installing, configuring, managing, tracing complex build problems, release issues and trouble shooting skills.
- Efficient in working closely with teams to ensure high quality and timely delivery of builds and releases.

- Excellent experience in designing, documenting and automating the build and release process.
- Have experience on code quality analysing tools like SonarQube.
- Have experience on antifactory tools – Nexus and having knowledge on JFROG antifactory.
- Expert in deploying the code through web application servers like Apache Tomcat.
- Have good experience on Configuration Management tool - Ansible.
- Have experience on Docker Containerization.
- Created and managed a cluster of docker engines using orchestration tools called Docker Swarm and Kubernetes.
- Managed Docker Orchestration & Docker containerization using Kubernetes.
- Strong experience in Kubernetes cluster setup and deploying applications in Kubernetes cluster.
- Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
- Implemented CI/CD using Jenkins, docker & Kubernetes.
- Good knowledge on Shell script.
- Experience in end-to-end Building, deploying and configuration process and Implementation from Dev, QA, UAT and Production environment.

Technologies: Azure Devops, Google Cloud Platform, Microsoft Azure IAAS, PAAS, Artificial intelligence and Data analytics, Azure Data Bricks, Azure Kubernetes Services, Azure Devops, Dockers, Azure Data Factory.

Organization: Tata Consultancy Service (Tata Digital/ Microsoft Business Unit)

Domain: Life Science/ Aerospace/ Manufacturing/ Oil and Gas

- Define cloud architecture, design and implementation plans for hosting complex application workloads on MS Azure.
- As part of Microsoft Business unit worked on multiple Proof of concepts as per the requirement and was successful to convert into sales application.

- Implemented Covid related application called Proximix on Azure to cater the universal business needs by implementing Digital manufacturing Platform.
- Implemented ChatOps to integrate Devops with Microsoft Teams so that the team can create,update and approve/reject the activities done via Azure Boards,Repos and Pipelines without even login to Azure Devops.
- Implemented design optimization for the Aerospace major by creating a data engineering pipeline.
- Implemented advanced services in Azure to provide the insights using sensor information from aircraft to Aerospace major for predictive aircraft engine maintenance.
- Implemented CI/CD Pipeline using Azure Devops for Continuous build and deployment process.
- Automated the deployment of the whole application by using the Azure resources using the ARM Templates.
- Worked on migration project to migrate on premise workload to Azure using Azure Migrate services.
- Had an extensive experience in implementing the advanced Azure services like Azure Data Bricks,Spark,Azure Data Factory,Azure ML,Azure Site Recovery service,APP Service environment Setup,App service, Logic Apps, Key Vault, Function app, Logic apps, Azure SQL service, Azure Storage, Azure Backup,ARM Templates deployment,Azure Data factory,Redis Cache, Container Instance
- Architect solutions using MS Azure PaaS services such as Web App,Logic App, AKS etc
- Provide technical oversight and guidance during clients engagement execution
- Provide Azure technical expertise including strategic design and architectural mentorship, assessments, POCs, etc., in support of the overall sales lifecycle or consulting engagement process.
- Design Azure virtual machines (VMs) and VM architecture for IaaS and PaaS; understand availability sets, fault domains and update domains in Azure.
- Provide design and deployment guidance, recommendations to develop the customers' cloud adoption model and appropriate recommendations to overcome blockers.

- Expert level expertise in MS Azure IaaS services (i.e Compute, networking, databases, storage, backup and archive, DR, security, ASR, Migration, monitoring, etc.).
- Strong expertise in MS Azure PaaS services (i.e Web APP, Logic App, Function App, Azure Cloud services, Azure Services Fabric, Azure HDInsight, Azure Data Warehouse).
- Strong expertise in migrating On premise infrastructure to Azure. Expertised in Infrastructure deployment automation script ARM Templates.

Technologies: Microsoft Azure IAAS, PAAS, Artificial intelligence and Data analytics, Azure Data Bricks, Azure Kubernetes Services, Azure Devops, Docker, Azure Data Factory.

Organization: ABB Digital

Technical Lead / Bangalore, Karnataka /
July 2017 to March 2018

Domain: Manufacturing/Industrial Automation/Energy

- Worked on the Business requirements and developed the solution, Agile Methodology and continuous integration using the SDLC process.
- Prepared capacity and architecture plan to create the Azure Cloud environment to host migrated IaaS VMs and PaaS role instances for refactored applications and databases.
- Collaborate to development of main Web Applications to provide invoicing emission services, Responsible of web application deployments over cloud services on Azure, using VS and PowerShell.
- Configuring the Load Balance Sets Azure Load Balancer, Internal Load Balancer and Traffic Manager and worked on Application Gateway.
- Worked on Power Shell scripts to automate the Azure cloud system creation of Resource groups, Web Applications, Azure Storage Blobs & Tables, firewall rules.
- Implemented CI/CD Pipeline using Azure Devops for Continuous build and deployment process.

- Created and Configured Azure Cosmos DB and exposed the service as Web API.
- Provisioned Azure data lake store and azure data lake analytics, and leverage U-SQL to write federated queries across data stored in multiple azure services.
- Worked on Serverless services (Azure Functions) created and configured HTTP Triggers in the Azure Functions with Application insights for monitoring and performing load testing on the Applications using the VSTS.
- Worked on Azure Site Recovery, PowerShell Scripts and ARM templates.
- Worked on planning and deployment of Self-service password reset functionality of Azure AD which reduces IT helpdesk cost.
- Worked with staff to outline and scheduled department needs regarding database functionalities, data analytics and reporting; created business requirements.
- Co-ordinate with global identity and access management program involved in hybrid identity project.
- Worked on dynamic group membership rules (rules are based on attributes) to provide access to various applications.
- Troubleshooted the issues regarding to access to the applications using the audit logs.

Technologies:Microsoft Azure,Azure Devops,Azure Kubernetes Services, Dockers, Site Scope,Azure IAAS,PAAS, VMWare.

Organisation:TechMahindra LTD

Team Leader / Watford,United Kingdom /
November 2010 to May 2017
Domain:Telecom/Life Sciences

- Worked as Technical Lead in Classic Azure cloud services with PowerShell for Microsoft Back-end data with Sql Azure, Storage (Blobs, Tables, Queues), Sql Server, Pervasive Sql Saved huge cost to the client by researching and implementing cost-saving initiatives and creating fresh new approaches to long-standing problems.

- Hence Awarded BT Blue Ribbon Identified new ideas, products and/or features that improved customer satisfaction, reduced costs and kept product line in forefront of industry
- Implemented CICD Pipeline using Azure Devops for Continuous build and deployment process.
- Managed web interfaces on Azure App Service like Web Apps / API / Function Apps etc Configured Azure VM IaaS Backups with properly timed backup and retention policies Created the isolated environment in Azure Using ASE to deploy the Azure Components
- Interacted with the BT clients on a regular basis to discuss day-to-day issues.
- Provide support for 80 Informatica workflows/mappings (developed using Informatica 9) which are running into Production environment at client location.
- Conduct training and knowledge sharing sessions for the onsite and offshore developers and testers on insurance domain and functional areas.
- Ensuring top-quality deliverables from Tech Mahindra to the client; Provide support for code developed using Data Warehouse administration
- Involved in data analysis and handling the ad-hoc requests by Interacting with business analysts, clients and customers and resolve the issues as part of production support
- Reviewing project/task statuses/issues with the Tech Mahindra offshore team and ensuring completion of project on time;
- Developing UNIX shell scripts for automating and enhancing/streamlining existing manual procedures used by client
- Involved in the development of Informatica mappings and preparation of design documents, technical specification documents and unit testing documents.
- Actively participating in proving technical proposals for upgraded existing ETL and OBIEE code at client location (in order to make use of advanced features of Informatica newer versions)

- Making use of various TechMahindra proprietary frameworks and techniques for requirement gathering and business process maps for understanding the current process better.
- ❓ **Technologies:**Microsoft Azure,Azure Devops, Azure Kubernetes Services, Dockers, Service Now,Power BI,OBIEE,Informatica

Education qualification

B.E (2008) in Electrical and Electronics from Jawaharlal Nehru Technological University,Hyderabad with 71.05%

Accomplishments

Selected for the Prestigious **1000 Leaders programme** to work on Mahindra group 2020 Vision.

Honoured with the "**GURU Award**" for showing the path to the other team members by unveiling and automating the manual work scope in the project.

Honoured with the "**ACE Award**" for consecutive top rating in Annual appraisal

Lead an initiative on automation called "Data Transformers" on the data issue cleansing awarded from the Client with the prestigious "**BT BLUE RIBBON**".