**SENIOR CLOUD ENGINEER (MIGRATION & ADMINISTRATION)**

**Ashwani Kumar V**

**avardhineni3@gmail.com**

**Mobile: (+91) 7989 121 975**

Summary

Senior Cloud Engineer with 9 years of experience in Azure Migrations and Administration with adept hands on experience with different Cloud Service Models IaaS, PaaS, and SaaS.

Core Competencies

Azure Administration, Azure Migrate Tools, Microsoft DMA, Azure AD, AAD Connect, Azure Compute, Azure Load Balancers set, Azure Key Vault, Azure CLI, Azure PowerShell, ARM, Terraform, O365 Migrations, Exchange Server Migrations, Azure Backup, Azure Disaster Recovery, Azure Firewall, Azure Blueprint, Cloud Adoption Framework. Linux Administration.

Professional Experience

**Visionet Systems Pvt. Ltd. Bengaluru,**

**Date: July 2021 – Till date**

**Position: Senior Cloud Engineer**

**Job Profile: Cloud Automation with Terraform & PowerShell.**

**Project 1: COE**

1. Automation of Infrastructure, Security and BAU activities through Terraform and PowerShell Scripting language.

**TCS, Hyderabad,**

**Date: January 2018 – July 2021**

**Position: Cloud Engineer**

**Job Profile: Azure Migration & Administration**

**Payroll: Ivytel Technologies Pvt. Ltd. Bengaluru,**

**Project 2: Azure Migrations (BT Team)**

1. Leading the migration projects starting from the **discovery phase, assessment, cost optimization** to performing the migrations successfully.
2. Provided deployment guidance through **Cloud Adoption Framework model** to enable a clear and actionable journey to the cloud.
3. Deployed **CAF foundation and CAF migration landing zone samples** through Azure Blueprints for Clients.
4. Strong experience with **Azure Migration tools** such as **Azure Migrate, Azure Data Migration Assistant, App Service Migration assistant** and **Azure Site Recovery** (ASR).
5. Provide a detailed **assessment of existing solutions** and infrastructure to migrate to the cloud.
6. Deliver migration strategy based on detailed analysis and implement application and data migration activities.
7. Customer **collaboration on migration and discovery** workshops and documentation.
8. Migration planning exercises and effort estimation for projects/proposals.
9. Delivery responsibility of Microsoft Azure migration projects.
10. Assisting in **providing post migration support** for customers.
11. Transition of projects to migration team and customer support teams.

**Project 1: Azure Administration**

1. Experience in writing **Infrastructure as a code** (IaC) in **Terraform, ARM.** Created reusable ARM & Terraform templates in Azure environments.
2. Performed **File level restore and VM level restore** from backup taken.
3. Configured client **Backup and Recovery solution** by setting up recovery service vault.
4. Performed **Azure Disk Encryption through Azure Key Vault**.
5. Configured **continuous replication** of VMs to target region through the Azure site recovery vault to **prevent any downtime** in case of a disaster.
6. Configured both **Internal and Public Load balancer** by using the standard SKU to avoid overloading of resources and **seamless performance** of applications.
7. Configured **Azure Traffic Manager and Front door service** for global routing of client applications.
8. Have good knowledge on all the **High** **availability options** available for Azure Virtual Machines (VMs).
9. Identity Management through **MFA, RBAC, PIM, Conditional Access**, **Identity Protection.**
10. Added client's domain to Azure Tenant, synchronized the on-prem AD users to Azure Tenant by using various **SSO options provided by** **AAD Connect tool**. Also enabled MFA for the users.
11. Assigned **fine grain access permissions for Azure Storage** using various authorization techniques and **Azure Key Vault**.
12. Configured the security of the infrastructure to control inbound and outbound access with **stringent** **rules configured on NSG and ASG**.
13. Configured **Azure Bastion Host** to secure VM Access and to access client database server for administration purpose.
14. Configured **Point-to-Site VPN connections** to employees of the newly acquired branch network of client domain.
15. Have knowledge on **Site-to-Site and Express Route** connections.

**Mindtree LTD. Hyderabad,**

**Date: February 2015 – December 2017**

**Position: Module Lead**

**Job Profile: O365 Migrations & Azure Administration**

**Client: Microsoft, Hyderabad**

**Project 2: Azure Administrator**

1. Configured **Virtual Machines scale set to** handle batch processing jobs, large compute workloads, web applications and dev/test environments.
2. Configured **Azure Update Manager** to manage operating system updates to the client VMs through **Azure Automation**.
3. Configured **Azure storage object replication** as per vendor service request.
4. Configured the **life cycle management policies** as per client service request.
5. Configured **various storage types (Blob Storage, Queue, Table, File share)** as per the service request.
6. Performed **back-up and restore** of an Azure SQL Database.
7. Configured **resource locks to prevent** accidental changes.
8. Configured the **Private link** to gain access to Azure storage accounts and database privately through the VNet.
9. Implemented **VNet Peering within the same and across Azure regions** as per the service request.
10. Configured **VNet Integration to App Service** as per the client’s service request.
11. Configuring the **Load Balancer Sets:** Public Load Balancer, Internal Load Balancer, **Traffic Manager, Front Door and worked on Application Gateway and Azure Firewall**.
12. Has proficient knowledge on both relational databases **(Azure SQL)** and non-relational databases **(Azure Cosmos DB)**.
13. Monitored the **network health, traffic analysis, logs** and other metrics of IaaS resources such as VMs, VNets and other network components **through Network watcher and Network Performance Monitor tool.**
14. Configured an **alert based monitoring system for capturing metrics and log analytics workspace for logs** of VM and storage accounts. Also **configured Application insights** for capturing performance related data of client live web applications.
15. Experience working on **Azure Security center and Azure Sentinel**. Identify security risks and vulnerabilities reported and remediate them.

**Project 1: Hybrid Deployment and Migration to Office 365**

1. The deploying part includes **two messaging platforms in Hybrid Organization with different Exchange Server 2010 and Exchange Server 2013**.
2. **Exchange Server 2010 is hosted with mailboxes. Exchange Server 2013 was deployed a hybrid platform for moving mailboxes** from on premise to cloud.
3. **ADFS was deployed to federate between on premise Active Directory and Azure Active Directory.**
4. **Directory Synchronization (DirSync) server was deployed to synchronize the objects for** e.g. users, groups and contacts from on premise Active Directory environment to the Office 365 directory infrastructure.
5. **Post deployment, migration process involves the migration of the mailboxes** in the on premise Exchange Organization to Exchange Online.

**Aster Minds Enterprise Solutions Pvt. Ltd. Hyderabad,**

**Date: May 2014 – February 2015**

**Position: Messaging Server Consultant**

**Job Profile: Exchange & O365 Migration**

**Client: Microsoft, Bangalore (C2H)**

**McAfee Inc.: Exchange Server Migration**

1. Created detailed planning, procedures, and documentation.
2. Migration of **14,000 mailboxes from Exchange 2010 to Exchange 2013** including user accounts.
3. Scheduling the migration of the users, performing pre-validation assessment and assisting the users with the migration.
4. Used **PowerShell scripting to automate the process of migration**.
5. Assist the **user’s issues through the Remedy Ticketing Tool and following up with the users** till the issue is resolved.
6. **Communicating with the users and educate them with the technical terms** about the migration process.

**Zenith InfoTech Pvt. Ltd. Mumbai,**

**Date: July 2012 – May 2014**

**Position: Server Engineer (L3)**

**Job Profile: Exchange Server Administration**

1. Providing **tier 2 and 3 troubleshooting support** of Exchange issues, investigating user escalations, finding optimum solutions for both users and the company.
2. Responsible for **Exchange 2010, 2003, Windows server 2008, 2003 AD** administration and maintenance in a multi-site environment.
3. Managed Configuration and Troubleshooting of Exchange Server 2010 with **Mailbox server role, Hub Transport Server role, Client Access Server roles**.
4. Managed **DAG, CAS Array and transport rules**.
5. Managed messaging environment with Exchange Server 2010. **Outlook Web App (OWA) access issue, active sync, Outlook, and outlook anywhere**.
6. Mail quota, **delegation, and individual mail restore** according to IT policies.
7. **Performance tuning and optimization of Exchange Server** for maximum performance.
8. **Troubleshooting & Administration of Mail Routing / Mail Flow and Monitoring Queues on Exchange Server, configured alerts** and performing Offline Defrag on databases.
9. Monitor the Mail Server for health. - Disk space, CPU, RAM, Queues, and Backup.
10. Extensively used **PowerShell scripts for various administrative** activities.

Professional Accomplishments

1. 70-533: Implementing Microsoft Azure Infrastructure Solutions
2. 70-346: Managing Office 365 Identities and Requirements

Education

1. Master of Science (MSc.) (Innovative Technology), 2011 from University of East London, London.
2. Post Graduate Diploma (Computer Systems and Networking), 2009 from University of Greenwich, London.
3. B. Tech (ECE), 2006 from T.R.R College of Engineering, Hyderabad, Affiliated to Jawaharlal Nehru Technological University.
4. Board of Intermediate (M.P.C), 2002 from J.V.S Jr. College, Vishakhapatnam.
5. Xth CBSE, 2000 from Kendriya Vidyalaya No.1, Nausenabaugh, Vishakhapatnam.

Skill Matrix

|  |  |  |
| --- | --- | --- |
| **SKILLS** | **PRODUCT/TOOLS** | **RATING /5\*** |
| Cloud Computing | AWS, AZURE, GCP | \*\*\*\* |
| Infrastructure as Code (IaC) | Terraform, AWS Cloudformation | \*\*\*\* |
| Configuration Management | Ansible, Packer | \*\*\*\* |
| Operating System | Windows, Linux | \*\*\*\* |
| Automation/Scripting | PowerShell, Bash, Python, Boto3 | \*\*\*\* |
| SCM | Git/GitHub, Bit Bucket | \*\*\*\* |
| Serverless Architecture | AWS Lambda | \*\*\* |
| Monitoring | Prometheus, Cloud Watch, Azure Monitor | \*\*\*\* |
| Serverless Architecture | AWS Lambda, Azure Functions | \*\*\* |
|  | Azure DevOps , AZ-400 | \*\*\*\* |
|  |  |  |