**Jayapal**

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* **14+ years of experience in Database Administration** / **Data Engineering/Azure Cloud**

Experience in Azure Development, worked on Azure web application, App services, Azure storage, Azure SQL Database, Virtual machines, Fabric controller, Azure AD, Azure search, and notification hub.

* 24X7 Production Support of MS SQL Server also specializes in MS SQL Server 2019/2017/2016/2012/2008R2/2008/ 2005 in Production, Stage and Dev Environments.
* Experience in Always On, Log shipping and Database Mirroring and Replication in SQL Server for High availability.
* Experience in Performance Tuning, Query Optimization, Client/Server Connectivity, and Database Consistency Check using DBCC Utilities.
* Excellent knowledge and hands on experience in Migrations from on-premises to Azure **IAAS and PAAS servers**
* Having good experience into Geo-Replication, Availability Group(s) and Data Sync
* Implemented Data Partitioning, Purging and Archiving solutions in the Azure model databases.
* Having very good knowledge on saving the cost on Azure models
* Deploy, Configure, Maintain Compute on Azure IAAS and PAAS servers.
* Create and configure Logical SQL servers, databases, elastic pools in **Azure Cloud**.
* Work management and work Items and status tracking using Azure Boards.
* Troubleshoot Azure related issues and engage internal teams and vendor issue resolutions.
* Hands on experience in Azure Development, worked on Azure web application, App services, Azure storage, Azure SQL Database, Virtual machines, Fabric controller, Azure AD, Azure search, and notification hub.
* Designed, configured, and deployed Microsoft Azure for a multitude of applications utilizing the Azure stack (Including Compute, Web &Mobile, Blobs, Resource Groups, Azure SQL, Cloud Services, and ARM), focusing on high - availability, fault tolerance, and auto-scaling.
* Expertise in Microsoft Azure Cloud Services (PaaS & IaaS), Application Insights, Document DB, Internet of Things (IoT), Azure Monitoring, Key Vault, Visual Studio Online (VSO) and SQL Azure.
* Extensive involvement in Designing Azure Resource Manager Template and in designing custom build steps using PowerShell.
* Expertise with designing and deployment of print solutions in Azure Virtual Desktop Infrastructure.
* Working knowledge in Incident, Problem and Change Management process which is the part of ITIL (**ITIL V3 Foundation Certified**).
* Aware of new methodologies like **Agile** and **DevOps Culture** and Lean Certified.
* Flexible, enthusiastic, and project-oriented team player with solid leadership skills to develop creative solution for challenging client.

**Certifications:**

* + Certified Microsoft Fundamentals (AZ-900) from Microsoft
	+ Certified Microsoft Azure Administrator Associate (AZ-104) from Microsoft
	+ Certified ITIL V3 Foundation

**Technical Expertise:**

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| --- | --- |
| **SQL Server Versions** | SQL Server 2022, SQL 2019, SQL 2016, SQL 2014, SQL 2012 |
| **Operating System** | Windows 10/16/19, Linux  |
| **Tools** | GIT, Jenkins, CHEF, RALLY, SSIS, SSRS and Azure Data FactoryAnd PowerBI. |
| **Programming Language** | T-SQL, PowerShell, Python and Unix |
| **Ticketing Tools** | ServiceNow, JIRA  |
| **Cloud Computing Platform** | Microsoft Azure, AWS and SnowFlake |

**Professional Experience**

**Client: Wolters Kluwer Jan’ 2023 – Till date**

**Lead Azure Cloud Engineer**

**Responsibilities:**

* Deployment, maintenance, upgrade and support of Cloud infrastructure and Servers. Proficiency working with Azure PaaS environment.
* Deployed Azure IaaS virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets.
* Creating and Managing logins/Access levels in Azure IAAS and PAAS environments.
* Migration of databases from on premises to Azure Cloud environment.
* Setup maintenance plans for databases using Azure Elastic jobs and Azure automation methods.
* 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 Classic and Azure Resource Manager deployment models.
* Setup Azure Virtual Appliances (VMs) to meet security requirements as software-based appliance functions (firewall, WAN optimization and intrusion detections).
* Supported the migration process and mostly focused on deployment of dedicated desktops and shared Virtual Desktops
* Designed User Defined Routes with custom route tables for specific cases to force tunnelling to the Internet via On-premises network and control use of virtual appliances in the customer's Azure environment.
* Worked on Microsoft Azure (Public) Cloud to provide IaaS support to client. Create Virtual Machines through Power Shell Script and Azure Portal.
* Manage and Create Storage Account and Affinity Group in Azure Portal.
* Deploying VM's, Storage, Network and Affinity Group through PowerShell Script.
* Creating Storage Pool and Stripping of Disk for Azure Virtual Machines. Backup, Configure and Restore Azure Virtual Machine using Azure Backup.
* Taking Backup to cloud Storage Account using Cloudberry Cloud Storage Tools. Configure Site to Site VPN Connectivity.
* Configure Window Failover Cluster by creating Quorum for File sharing in Azure Cloud.
* Convert existing Virtual Machine from Standard to Premium Storage Account. Patching and Validating of Virtual Machine in Azure.
* Deploy and manage Virtual Machines, storage Accounts, resource groups and many resources through power shell and azure CLI.
* Experience in optimizing/tuning objects, indexing and partitioning for better performance and efficiency.
* Handled Installation and configuration SQL Server and configured and worked on AlwaysON
* Migration /Upgradation from lower versions to latest higher versions in SQL Server.

**Optum (UHG), USA/ India Dec’ 2012 – Dec’2022**

**Sr Azure/SQL DBA**

**Projects: UHG & OPTUM International**

**Responsibilities:**

* Worked in DB Engineering team and coordinating with Application to run the platform with 99.99% uptime and zero downtime release management.
* Architect and Engineer projects in **Azure government cloud (IaaS and PaaS) and Commercial** cloud.
* Deployment, maintenance, upgrade and support of Cloud infrastructure and Servers. Proficiency working with Azure PaaS environment.
* Working on Azure Synapse Analytics for implementing Pyspark Notebooks
* Working on Serverless and dedicated SQL Pools.
* Implementing Azure Function, Logic Apps
* Configuring the Azure Alerts using Log Analytics and App Insights.
* Migrating On-perm SQL Database to Azure PaaS SQL.
* Deploying Azure Resources like Azure VMs, Azure Storage Account, Virtual network, Subnet using ARM
* Deploying the Data pipelines using ARM Templates using Azure DevOps.
* Experience in managing Azure security, Identity, Storage and Network components.
* Experience in configuring VSTS Agents (Self Hosted & Microsoft Hosted) and Pools for Builds and Release Pipelines.
* Identify, troubleshoot and resolve issues related to the build and deploy process.
* Improve release process by automating manual activities, creating the branches and managing the
* Configuration and maintenance of Azure services for different applications.
* Responsible for implementation and release of database changes according to agreed timescales and cost.
* Setup the automated environments for patching SQL Servers using PowerShell.
* Presents periodic updates to Senior Management on impairments, mitigation opportunities and progress
* Monitors technical and engineering progress to ensure strategies, goals and objectives are met. Aligns operational plans with business objectives. Communicates changes to all affected personnel
* Manage, mentor, and develop onshore development resources and provide project related directions to offshore team
* Experience in performing Database consistency checks using DBCC Utilities, Recompiling Stored Procedures, and Index Maintenance.
* Experience in optimizing/tuning objects, indexing and partitioning for better performance and efficiency.
* Provided & managed support to Environment of more than 5000 Database Servers.
* Created, administered & maintained SQL Server Databases (Development, Test, Staging and Production Env.) for various groups such as Developer, QA, and User etc. and ensured the Availability of the Database Server in a 24X7 Environment.
* Managing and tracking all RALLY updates to maintain transparency in task’s progress (Burndown)

**Synechron Technologies, Pune April’ 2010 – Dec’ 2012**

**Sr SQL DBA**

**Project: AsurionJapan**

**Responsibilities:**

* Installation, Upgradation, Configuration, Maintenance & Troubleshooting of the SQL Server 2000/2005/2008/2008R2 Database on standalone & clusters
* Migration of SQL servers from version 2000 to 2008 and SQL2005 to 2008R2 and 2008 to 2008R2.
* Responsible for implementation and release of database changes according to agreed timescales and cost
* Documenting standard support procedures for resolving issues, communicating with the customer and other IT teams, implementing new SQL 2008 systems, and maintaining system integrity.
* Troubleshooting SQL Server production issues in accordance with the Problem & Change Management processes
* Implementation of disaster recovery planning and high availability solutions like Database **Mirroring, Replication & Log shipping**
* Resolving Tickets which include creating and maintaining databases, monitoring Disk Space, database integrity, identifying missing Indexes, handling blocking.

**Environment:** SQL Server 2000/2005/2008/2008R2, VERITAS Clustering, Database Mirroring, Database Replication, Log Shipping and SSRS/SSIS/SSAS Administration.

**Project Leadership Associates Pvt.Ltd, Hyd May’09 – Jan’10**

Sr SQL DBA

**Project: DICTATE IT**

**Responsibilities:**

* Installation and configuration of SQL server 2008 in development, production, testing, environments
* Installing and configuring windows 2003 fail over cluster for SQL 2008
* Up gradation to SQL Server 2008 along with some database up gradation.
* Created Database Maintenance Planner for the Performance of SQL Server which covers Database Integrity Checks, Update Database Statistics and Re-indexing.
* Involved in cluster implementation
* Implemented log shipping for hot stand by servers
* Provided 24 X 7 dedicated support to all Production Environments
* Transferred the data to homogenous and heterogeneous platforms using DTS utility.
* Fine tuning the Database Settings as well as the Server Settings.
* Configured Mail Profile for sending automatic mails to the respective people when a job is failed or succeed.

**Project Leadership Associates Pvt.Ltd, Hyderabad Aug’08 - Apr’09**

**Software Engineer**

**Project: Hospital management**

**Client: DaiTri, USA**

* Created test cases, test planning, execution and hands on experience in functional testing
* Optimized the SQL queries by performance tuning.
* Configured the **SQL** **Server**’s Optimal Settings (Multithreading, Locking Memory) according to the usage of its tables, # of users and hardware.
* Adding users in the Database and granting permissions and Scheduling jobs in SQL Server.
* Developed standards and guidelines to maintain and develop and administer the **SQL** **Server** database.

 **Education:**

Bachelors in computer science and Statistics, Kakatiya University, India