**Professional Summary**

* 12 + years of IT experience in **MS SQL Server DBA.**
* 6 + years of experience in **AWS REDSHIFT DBA**.
* 5 + years of experience in **Azure SQL DBA.**
* 3 + years of IT experience in **Oracle DBA and Oracle Golden Gate Replication.**
* 3+ years of IT experience in **PostgreSQL DBA.**
* 5 + years of experience in **AWS Cloud Admin.**
* **5 + experience** in SQL Server Integration services (**SSIS), Reporting Services (SSRS ), Analysis Services( SSAS) and POWER BI.**
* Hands on experience in **AWS Aurora DBA, Dynamo DB.**
* Hands on experience in **Terraform with AWS and Azure.**
* Working knowledge **of Active Directory.**
* Working knowledge of **LINUX commands.**
* Installing, configuring, upgrading, administration and tuning of **MS SQL Server 2000,2005 ,2008, 2008 R2,2012, 2014, 2016, 2017 and 2019.**
* Maintained the database’s size up **to 30 TB**.
* Perform all tasks of SQL Server Database administration including Capacity Planning, migration, upgrade, database monitoring and performance tuning.
* Administration and engineering of MS SQL Server databases on Azure & AWS clouds.
* Experience in migration/Upgrade projects from on-premise SQL server to **Azure SQL Database, Managed Instance and Azure VM.**
* Experience in migration projects from on-premise SQL servers to AWS **EC2 & RDS servers.**
* Experience in Administration and engineering of cloud Datawarehouse technology **AWS Redshift.**
* Hands-on experience with **Oracle Database Management**.
* **Designed, developed, and maintained PostgreSQL databases**.
* Installing/Configuring/Monitoring/Troubleshooting SQL Server on **Log shipping, Mirroring, Replication, Clustering and Always On.**
* Configured FCI, Disaster Recovery, **SQL Server 2012,2016 & 2019 Always on** Windows server 2012,2016 failover cluster.
* Experience in implementing and maintaining **TDE (Transparent Data Encryption), Always Encrypt,** **Change Data Capture (CDC), Install SSL certificate, Vulnerability management, PCI** (Payment Card Industry Data Security Standard) best practices and **SOX Audit for SQL servers.**
* Experience with Compliance such as HIPAA, SOC, SOC2, PCI & FISMA
* Write/maintain **PowerShell scripts** for Installing SQL Servers, Patching, DB automation, Health Check of all servers, Disk space, Backup Jobs status, Blocking, Deadlock and Long running queries.
* knowledge and experience with Service Broker
* **Deploy, Configure, Maintain Compute on Azure IAAS and PAAS servers.**
* **Migrated on-prem servers to Azure SQL Database, Manged Instance and Azure VM.**
* Create and configure Logical SQL servers, databases, elastic pools in Azure Cloud.
* Monitor performance and setup alerts to avoid performance issues occurring on Azure databases.
* Restore deleted databases in Azure cloud.
* Import and Export data within Azure Cloud environment.
* Creating and Managing logins/Access levels in Azure IAAS and PAAS environments.
* Configure & Monitor Performance/Storage/Memory alerts on all Production Azure Servers.
* **Configured fully Encrypted clusters and migrated data to encrypted clusters in AWS Redshift.**
* Design and implement the best compression to respective columns.
* Implemented Workload Management (WML) in Redshift to prioritize Reporting (MicroStrategy & Tableau) queries over more complex longer-running ad-hoc queries.
* Upgrade/migrate AWS Redshift clusters from DS2, DC2 to RA3 clusters along with resize.
* Designing and implementing the best DISTKEY and SORTKEY for the database tables.
* Experience in data modeling, ETL development, and data warehousing.
* Expertise in distributed systems in data storage and computing.
* Performance tuning the tables in Redshift.
* Reviewing the explain plan for complex SQLs in Redshift.
* Design logical and physical database models and refine database schema by tuning data types, encoding, sorting key and data distribution for performance optimization.
* Knowledge in Redshift new features like spectrum and redshift.
* **Expert in configuring EFM, BART for EDB PostgreSQL Databases**.
* Install/configure and implement PEM, BART, xDB/EFM, Performance Dashboard.
* Hands-on PLM Experience migrating database to SQL 2019/22
* Migrated the RDS Postgres databases to Aurora PostgreSQL.
* Expert in PostgreSQL Databases Performance and Tuning.
* Expert in configuring EFM, BART for EDB PostgreSQL Databases.
* Upgrade Enterprise DB/Postgres databases and clusters.
* Created new PostgreSQL databases in AWS RDS & functions in Lambda.
* Designed, developed, and maintained PostgreSQL databases.
* **Plan and implement backup, restore and recovery of the Oracle database**.
* Implements and enforces security for all the Oracle Databases.
* Creating users and granting required privileges for security purposes.
* Scheduling the jobs for backups and for other tasks as well (Crontab).
* Creating tablespaces, add datafiles, resize datafiles etc.
* Space management in oracle database.
* Knowledge in Oracle Real Application Cluster’s and implementation best-practices.
* Install, configure Oracle Golden Gate software and Configure Golden Gate processes, trails, and data pump extracts/pumps for replication.
* Implement backup and recovery strategies for Golden Gate configuration and metadata to prevent data loss in case of system failures.
* **Experience with AWS components like EC2, RDS, ELB, EBS, Auto Scaling, S3, Redshift, RDS, VPC, Route 53, Cloud watch, Cloud Trial, SNS, Athena IAM and Roles.**
* Launching virtual Windows servers in AWS using EC2 service and install SQL server.
* Creating the backup & restore operations of data using AWS S3 buckets.
* Having knowledge in VPC and Route 53.
* Creating RDS instances with or without multi-AZ and Managing the RDS instances in AWS
* Experience in Migrating the On-prem SQL servers to EC2 & RDS servers.
* **Have good Experience in Dynatrace , SolarWinds and SolarWinds DPA tool.**
* **Education**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **University/Board** | **Year of Completion** | **Aggregate Percentage (%)** |
| Master of Computer Applications (M.C.A) | Andhra University | 2008 | 72 |

**Technical Expertise**

|  |  |
| --- | --- |
| **MS SQL Databases** | SQL Server 2000/2005/2008/2008R2/2012/2014/2016 /201/2019 & 2022 |
| **PostgreSQL** | PostgreSQL 12, PostgreSQL 13, PostgreSQL 14 |
| **Oracle** | Oracle 12C, Golden Gate |
| **AWS Redshift** | Redshift patch 170 - 1.0.43922, Patch 171 - 1.0.43931 & Patch 172 - 1.0.44924 |
| **Azure Cloud** | Azure SQL Database, Managed Instance, Azure VM, Azure Elastic jobs, Geo replication, data masking, DMA, DMS, Azure Data Studio, Azure Key Vault |
| **AWS Cloud** | EC2, ELB, EBS, S3, IAM, VPC, Route 53, RDS, Terraform, Cloud Front, Cloud watch, SNS, Cloud Formation. |
| **Operating Systems** | Windows Server 2003, Windows2008, windows 2012, 2016, Linux, |
| **BI and ETL Tools** | SSIS, SSAS ,SSRS, PowerBI and AWS Data pipeline |
| **Tools & Techniques** | Litespeed, ITSM, ServiceNow, SolarWinds, JIRA, Qlik Attunity Replicate tool, Dynatrace, SolarWinds DPA tool, Shell Scripting, Ora2PG,Pgloader,DMSConfluence ,PowerShell ,Commvault, Fog light ,Autosys, Oracle Client Software,Redgate SQL Essential Toolbelt, MS Visual Studio, Cozyroc |

**Professional Experience**

* Worked as a MS SQL DBA, Azure SQLDBA, AWS Admin with **HCL America, New Jersey, USA**
* Worked as a Lead MS SQL DBA, Oracle DBA, PostgreSQL DBA, AWS Redshift DBA, Azure SQLDBA, AWS Admin with **Zensar Technologies.**
* Worked as a Sr SQL DBA with **HTC Global services.**
* Worked as a SQL DBA with **Subhashini Software Solutions Ltd**.

**Certifications**

1. AWS Certified Solutions Architect Associate:

<https://www.credly.com/earner/earned/badge/fed13226-2908-4780-8071-935fa7887578>

1. Microsoft Certified: Azure Database Administrator Associate

<https://www.credly.com/badges/9d5b448c-684c-4dfc-a565-b0d5dd3f4aef>

**#Project 1:**

**Title:**  **MS SQL DBA, AWS Admin**

**Client:**  **State Street Bank, Boston, MA (USA)**

**Duration: May 2023 to November 2023.**

**Description:**

State Street Corporation is an American financial services and bank holding company headquartered at One Congress Street in Boston with operations worldwide. It is the second oldest continually operating United States bank. State Street is ranked 15th on the list of largest banks in the United States by assets.It is one of the largest asset management companies in the world with US$3.9 trillion under management and US$43.3 trillion under custody and administration. It provides securities services, and it is considered a systemically important bank by the Financial Stability Board.

**Responsibilities:**

* Provided 24/7 Support for 2000 + Production, Development & Test MSSQL Servers.
* Install, Apply Service Pack, Cumulative Updates on MS SQL 2005,2008,2012,2014 & 2019.
* Expert in query tuning finding statics, blocking, dead lock, fragmentation, missing indexes, using DTA to improve query performance.
* Expertise in Always-On Availability Groups (AAG) and HA/DR Setup and Configurations.
* Extensively worked on SQL Server Integration Services and SQL Server Reporting Services

**Environment:**  SQL Server 2008,2008r2,2012,2014 ,2016,2017 &2019, Windows Server 2008 ,2012 ,2016

**#Project 2:**

**Title:**  **Lead MS SQL DBA**, **Azure SQL DBA,** **AWS Redshift DBA, PostgreSQL DBA**

**Client:** **C. Hoare & Co Bank, Remote**

**Duration:           April 2019 to March 2023.**

**Description:** C. Hoare & Co., also known as Hoares, is a British private bank, founded in 1672 by Sir Richard Hoare. It is currently owned and led by the eleventh generation of his direct descendants. It is the second oldest bank in the United Kingdom and reputedly the fifth oldest in the world. C. Hoare & Co. provides private banking services that include loans, mortgages, and savings accounts, as well as tax and estate planning services.

**Responsibilities:**

* Provided 24/7 Support for Production, Development & Test Servers of MSSQL Servers.
* Installation, applying Service packs, Cumulative Updates, Hotfixes on MSSQL 2000,2005,2008,2008R2,2012,2014,2016 & 2019
* Create indexes on production databases for data optimization to improve the performance.
* Implementing advanced PL/SQL features like Table Partitioning, Ref Cursor, Collections, Analytical functions, Query Re-Write, Records, Exceptions and Dynamic SQL.
* Interaction with the Database Administrator (DBA), Product Team, Integration team and Centre of Excellence (COE) team on regular basis for business requirements, enhancement or for some issue in the existing functionalities.
* Responds to user issues/queries and collaborates with team members to provide solutions.
* Providing a stable platform by provisioning service towards business process enablement, application support, and technology support on an ITIL/SEI CMM based delivery platform.
* Used Attunity tool to replicate data between Choare bank Oracle servers to SQL servers
* **Provisioning, configuration, and monitoring of cloud resources using Terraform.**
* Creating and managing AWS resources using Terraform.
* Troubleshooting issues with infrastructure deployments in Terraform.
* Expert in query tuning finding statics, blocking, dead lock, fragmentation, missing indexes, using DTA to improve query performance.
* Optimizing and tuning the Redshift environment, enabling queries to perform up to 100x faster for Tableau and MicroStrategy reports.
* Data Migration from Teradata to redshift using DMS.
* Responsible for Designing Logical and Physical data modelling for various data sources on Confidential Redshift.
* Create, modify, and execute DDL in table AWS Redshift tables to load data.
* Performance tuning the tables in Redshift.
* Reviewing the explain plan for the SQLs in Redshift.
* Designed and Developed ETL jobs to extract data from Salesforce replica and load it in data mart in Redshift.
* Designed tables and columns in Redshift for data distribution across data nodes in the cluster keeping columnar database design considerations.
* Used different custom housekeeping utilities and monitoring services to have the cluster running efficiently.
* Used AWS Redshift, S3, and Spark services to query large amount data stored on S3 to create a Virtual Data Lake without having to go through ETL process.
* Provided seamless connectivity between BI tools like Tableau and MicroStrategy to Redshift endpoints.
* Responsible for creating Well-Architected Application on AWS using Auto scaling, SQS, SNS, ELB, Caching and database layer as necessary.
* Involved in AWS Data Migration Services and Schema Conversion Tool along with Talend ETL tool.
* Wrote various data normalization jobs for new data ingested into Redshift.
* Advanced knowledge on Confidential Redshift and MPP database concepts.
* Migrated on premise database structure to Confidential Redshift data warehouse.
* Deploy, Configure, Maintain Compute on Azure IAAS and PAAS servers
* Troubleshoot Azure related issues and engage internal teams and vendor issue resolutions
* Automate deployment and troubleshoot mechanisms for quick service.
* Create and configure Logical SQL servers, databases, elastic pools in Azure Cloud.
* Monitor performance and setup alerts to avoid performance issues occurring on Azure databases.
* Restore deleted databases in Azure cloud.
* Monitor performance and setup alerts to avoid performance issues occurring on Azure databases.
* Troubleshooting issues occurred with the databases in Azure cloud environment.
* Suggest Cost optimization solutions in Azure PAAS environment.
* Enabling and Managing data masking and encryption in Azure cloud environment
* Enabling Geo replication to ensure availability of the Azure databases as DR plan.
* Enabling Long time retention backup policy for Azure databases.
* Creation of indexes, Partitions of the data in the Azure databases.
* Enable and manage query store for the Azure sql databases.
* Implementation of Hosting SQL services in azure IAAS and PAAS servers.
* Create and configure Logical SQL servers, databases, elastic pools in Azure Cloud.
* Deploy builds on multiple databases in Azure cloud.
* Manually take the schema and data backups of the databases and restore/copy databases and restore deleted databases in Azure cloud.
* Bloat and Vacuum Management in PostgreSQL.
* Migrated the RDS Postgres databases to Aurora PostgreSQL.
* Upgraded PostgreSQL databases from version 12.5 to 13.4
* Configured AWS-DMS service to migrate full data and for continuous replication from on premises Oracle/PostgreSQL databases to AWS RDS PostgreSQL databases.
* Focus on Postgres Config parameter file values to optimize database performance.

**#Project 3:**

**Title:**  **Lead MS SQL DBA, Oracle DBA ,AWS Admin.**

**Client:**  **Restoration Hardware, SFO, CA (USA)**

**Duration: April 2015 to March 2019.**

**Description:** Restoration Hardware (RH) is an American home-furnishings company headquartered in [Corte Madera, California](https://en.wikipedia.org/wiki/Corte_Madera,_California). The company sells its merchandise through its retail stores, catalog, and online. As of November 1, 2014, the company operated a total of 59 galleries, 6 full line design galleries, and 3 baby & child galleries. The company also has 18 outlet stores in the United States and Canada.

**Responsibilities:**

* Planning and Designing DB Servers, To Architect Database Servers including Sizing, Capacity Planning.
* Benchmarking, Installing, Implementation of DR/HR strategies within SQL Server in accordance with RPO/RTO meeting SLA's (Both in Physical and Virtual Environments comprising both Standalone and Failover Clustered Instances).
* Expert in query tuning finding statics, blocking, dead lock, fragmentation, missing indexes, using DTA to improve query performance.
* Rebuilding / monitoring the indexes at regular intervals for better performance.
* Recovering the databases from backup in disasters. Implementing Point-In-Time Recovery solutions.
* Involved in trouble shooting and fine-tuning of databases for its performance and concurrency.
* Querying the databases using the Powershell scripts
* Used the Powershell scripting to get the most consistent production environment.
* Expert in query tuning finding statics, blocking, dead lock, fragmentation, missing indexes, using DTA to improve query performance.
* Designing and building multi-terabyte, full end-to-end Data Warehouse infrastructure from the ground up on Confidential Redshift for large scale data handling Millions of records every day.
* Experience and good knowledge in AWS (Amazon Web Services) services like EC2, S3, Glacier, Elastic Load Balancer (ELB), RDS, SNS, SWF, Cloud watch, Route53
* Launching Amazon EC2 Cloud Instances using Amazon Images (Windows) and configuring launched instances with respect to specific applications.
* Experience in monitoring EC2 instances using Dynatrace Tool
* Configured Elastic Load Balancers with Elastic Compute Cloud Auto scaling groups.
* Worked on cloud watch to monitor the resources such as EC2 CPU memory, Amazon to design high availability applications on AWS across availability zones.
* Created Buckets in AWS and stored files. Enabled Versioning and security for files stored.
* Involved in creating necessary user role creation.
* Implemented AWS solutions using S3, RDS, EBS, Elastic Load Balancer, and Auto scaling groups.

**Environment:**  SQL 2016,2017 & 2019, Azure Cloud, PostgreSQL, AWSRDS, EC2, S3, VPC.

**#Project 4:**

**Title:**  **MS SQL DBA, Oracle DBA and AWS Admin**

**Client: National Pen, San Diego, CA ( USA)**

**Duration: May 2013 to March 2015**

**Description:** National pen is a world class provider for personalized marketing solutions to more than one million small and medium sized businesses globally. It provides high value promotional products for businesses and professionals in every industry at low factory direct pricing. In 1982, National Pen purchased its largest competitor, U.S. Pencil and Stationery Company, located in Shelbyville, TN. At the same time, the company acquired Perfect Mailing Service and Perfect Pen and Stationery Co., LTD., a Canadian mail order company, and expanded service beyond the US.

**.**

**Responsibilities:**

* Installed and administered Eight-Node Cluster Active/Passive on Microsoft Windows Server 2012 Enterprise Edition on SAN environment.
* Expertise in Always-On Availability Groups (AAG) and HA/DR Setup and Configurations.
* Worked on SQL Server Integration Services (SSIS) and SQL Server Reporting Services (SSRS).
* Migrated SSIS packages from SQL Server 2008 R2 to SSIS 2012.
* Rebuilding / Monitoring the indexes at regular intervals for better performance.
* Recovering the databases from backup in disasters. Implementing Point-In-Time Recovery solutions.
* Experience in using SQL Server Profiler, SQL Server Agent, and Database Engine Tuning Advisor(DTA).
* Responsible for monitoring and making recommendations for performance improvement in hosted databases. This involved index creation, index removal, index modification, file group modifications, and adding scheduled jobs to re-index and update statistics in databases.
* Experience in using SSIS tools like Import and Export Wizard, Package Installation, and SSIS Package Designer.
* Expertise in using global variables, expressions, and functions for the reports with immense experience in handling sub reports in SSRS.
* Experienced in installing and configuring Reporting services and assigning permissions to different levels of users in SSRS.
* Implements and enforces security for all the Oracle Databases.
* Plans and implements backup, restore and recovery of the Oracle database.
* Scheduling the jobs for backups and for other tasks as well (Crontab).
* Oracle server management (startup/shutdown).
* Launched EC2 instances, created and configured Amazon Machine Images (AMI), volumes and snapshots, security groups, elastic IP’s, placement groups, key pairs, and bootstrap scripts.
* Configured high availability, fault tolerant and scalable services including Elastic Load balancers (ELB) and Auto scaling groups.
* Created S3 buckets, configured versioning, logging, access control lists and object lifecycle management using S3, S3-Infrequent Access, Reduced Redundancy Storage and Glacier.

**Environment:**  SQL Server 2012,2014, AWS, Oracle 12C, Windows Enterprise Server, SSRS.

**#Project 5:**

**Title: Sr SQL DBA**

**Client: UnitedHealth Group Inc, Boston , MA (USA)**

**Duration: October 2012 to April 2013**

**Description:** **Optum** is made up of three market-leading business segments — **OptumHealth, OptumInsight and OptumRx** — which together form a leading information and technology-enabled health services business dedicated to making the health system work better for everyone.

**Responsibilities:**

* Perform business analysis, technical analysis, systems design, application software programming.
* Prepared DFD's & Entity Relationship (ER) diagrams.
* Restructuring the stored procedure, designing, coding, and developing the same using the T\_SQL Programming.
* Transferring the data (ETL) to Data warehouse by SSIS.
* Extensively worked on Dynamic Management Views in SQL Server 2005.
* Installed, authored, and managed reports using SQL Server 2005 Reporting Services.
* Managed the migration of SQL Server 2000 databases to SQL Server 2005.
* Monitoring SQL server performance using SQL Profiler to find performance and dead locks.
* Developed, deployed and monitored SSIS Packages including upgrading DTS to SSIS.
* Performed daily tasks including backup and restore by using SQL Server 2005 tools like SQL Server Management Studio, SQL Server Profiler, SQL Server Agent, and Database Engine Tuning Advisor.
* Rebuilding the indexes at regular intervals for better performance.
* Monitored and modified Performance using execution plans and Index tuning.
* Rebuilding the indexes at regular intervals for better performance.
* Involved in trouble shooting and fine-tuning of databases for its performance and concurrency.

**Environment:** SQL Server 2008/2005, VSS, Windows 2000, Windows 2003 Server, MS TFS, MS-Access.

**#Project 6:**

**Title: SQL DBA**

**Client: Microsoft, Redmond ,WA (USA)**

**Duration: Mar 2012 to Aug 2012**

**Description:** EBMS contains complete enterprise resource planning tools that are important in managing a business more efficiently. It’s an application that runs as a service on a Microsoft Windows based server such as MS Windows Server 2008 R2, 2008, 2003 or business grade operating system such as Windows 7 Pro or higher.

**Responsibilities:**

* Database Administrator, Database Programming.
* Implementation of SQL Logins, Roles and Authentication Modes as a part of Security Policies for various categories of users.
* Rebuilding the indexes at regular intervals for better performance
* Designed and implemented comprehensive Backup plan and disaster recovery strategies Implemented.
* Involved in trouble shooting and fine-tuning of databases for its performance and concurrency.
* Monitored and modified Performance using execution plans and Index tuning.
* Rebuilding the indexes at regular intervals for better performance.
* Perform SQL Server service pack and Windows Service pack upgrades.
* Extensively worked on Enterprise Manager for managing the database.
* Troubleshoot performance problems and fine-tuning of databases.
* Involved in Index Analysis and Performance Tuning.
* Converting DTS packages into SQL Server 2005 Integration Services.
* Migrating SQL Server 2000 data bases into SQL Server 2005.

**Environment:**SQL Server 2005, SQL Server 2000, Windows 2003/2000 Server, SQL LightSpeed 4.5, SQL Query Analyzer, SQL Profiler.

**Declaration:**

I hereby declare that the information furnished above is true to the best of my knowledge.

**Venkat Thota**