**AISHWARYA**

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**SUMMARY:**

* **Over 8+ Years of total IT experience including SQL Server Database Administration** for very large and complex databases in **SQLServer2000/2005/2008/2008/ R2/2012/2014/2016**
* Knowledge to lunching **EC2** Instance server in **Amazon web services (AWS) cloud** across multiple availability zones.
* Created monitoring alarms and notifications for **EC2** hosts using **AWS Cloud** Watch service.
* Maintain and support **Teradata** architectural environment for **EDW Applications**.
* Used extensively **Teradata** Analyst Pack such as **Teradata** Visual Explain, **Teradata** Index Wizard and **Teradata** Statistics Wizard.
* Expertise in Database Administration on Production Servers with **server configuration,** performance tuning and maintenance with outstanding **troubleshooting capabilities.**
* Sound knowledge of **Stored Procedures, Indexed views, User Defined Functions (UDF), Triggers, Distributed Queries, and Common Table Expressions**.
* Having hands on experience working with **HA/DR SAN Production environment - Clustering, Always-On High Availability groups, Mirroring, Log Shipping, &**all types of Replication techniques.
* Managed, designed, and created the Star Schema and **Snowflake** Schema for a financial data mart using Erwin.
* Designed Star and **Snowflake** Data models for Enterprise Data Warehouse using **ERWIN**.
* Expert in applying **latest Service Packs, Patches, and Hot fixes for SQL Server.**
* Experience with **Storage Area Networks (SAN) and utilizing SanDisk space** in a Windows Environment.
* Conducted root cause analysi**s** of application availability and narrow down the issues related to **coding practices, database bottlenecks, or network latency**.
* Involved in SQL Server 2016/2014 environment tech refresh and data center migration.
* Implemented **Disaster Recovery** Solutions by configuring **SQL Server in Log Shipping** and **Mirrored** Environments.
* Extensive knowledge in developing and deploying **ETL packages** using, DTS, Informatic, SSIS for accessing heterogeneous data, data cleansing and auditing.
* Expertise with the role of Transaction logs and action accordingly Log Space Maintenance and **Temp database space** issues.
* Involved in **ER diagrams (Physical and Logical using ERWIN)** and mapping the data into database objects. Developed Report Models using report builder and distributed reports in multiple formats using SQL Server Reporting Services **(SSRS)** in Business intelligence development studio **(BIDS).**
* Expert in Huge data migrations and Data center migration, transfers using utilities like Data Transformation Services **(DTS)** and **SSIS,** Bulk Copy Program **(BCP) and Bulk Insert**.
* Used **Microsoft Azure using Power Shell** to generate query results for SQL Server.
* Hand full of experience in using third party tools **like Idera, Lite speed, Red gate**.
* **Flexible, enthusiastic, and project-oriented team player** with solid communication and leadership skills to develop creative solution for challenging client needs.
* Extensive experience in **SQL Server development, stored procedures, User defined functions, Triggers, Views, Indexes, data integrity**. Worked with Problem Ticket (PTs)/Work request (WRs) for prod and lower environment issue and change request (CRs)/Work Order (WOs) for Prod deployment.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Operating System: | Windows 2000/2005/2008/2012 Server, Windows 95/98/XP/NT, Linux, Solaris, Unix |
| Databases: | MS SQL Server 2016,2014, 2012,2008 R2,2008, 2005,2000, Oracle 8i,9i, Sybase, Teradata, and snowflake. |
| SQL Server Tools | Management Studio, Business Intelligence Development Studio, Visual Studio 2005, Enterprise Manager, Query Analyzer, Profiler, ER Diagrams Performance Monitor, Log Shipping, SSIS, SSRS, SSAS, Microsoft Clustering Services (MSCS), PowerShell |
| Programming: | T-SQL, PL-SQL, HTML, HTML5, XML, CSS, C, C++, |
| DBA | Database administration of MS SQL Server 2016, 2014, 2012, 2008 R2,2008, 2005,2000 |
| Data Migration | SSIS, BCP, Data Migration, Import/Export Wizard |
| Backup Utility | Quest Lite speed, SQL Safe, Redgate, Tivoli, Idera |
| Build Tools &  Analytical Tools | Free NAS, OWNCLOUD, Virtual Box, NODE-XL, MS Project, and Visio, MDX, OLAP |

**WORK HISTORY:**

**Vizient Inc,** **Oakland, CA Jan 2017-Present**

**Role****: Sr. SQL Database administration**

**Project Description:** VHA serves member health care organizations in 46 states and the District of Columbia, VHA works with its supply contracting company Novation to provide the best pricing on the contracts. VHA also works with Apexus, which is prime vendor for the 340B Drug Pricing Program

**Responsibilities**

* Responsible for requirement gathering from **Business users**.
* As a part of the **DBA** team, performed production support and core **DBA** functions, such as Performance Analysis and Query Optimization, installations of **SQL Server 2016 and 2017**, creating standards and practices documentation, managing database users and security, data modeling and database design, as well as overall environment monitoring and fulfilling data migration requests of various business segments within the company.
* Coordinated an offshore **DBA** team with local teams, conducted QA testing, and reported results to management.
* Supporting production databases, periodically migrating production data to **QA**.
* Worked in designing, creating, and deploying **SSIS** packages for transferring **data from flat files**, excels **spreadsheets**, **Oracle**, **Salesforce**, and heterogeneous data to and from **SQL Server**.
* Improved query performance by adding covered indexes, adding file groups etc.
* Developed and implemented web applications using **HTML, JavaScript, and SQL server stored procedures.**
* Design and optimize existing application database including Data modeling both relational and **multidimensional expressions (MDX)** based on business process flows.
* Utilized MS Analysis services to create **multidimensional Expressions** OLAP cubes. Installed the service, configured to run on 4-way machine, configured 3GB memory space, and created simple cubes for reporting purposes.
* Implemented **SSIS** data transformations scripts, created maintenance procedures and provided data integrity strategies.
* Used **DTS Migration** Wizard to convert **DTS to SSIS** packages and develop new SSIS packages.
* Created packages in **SSIS** with error handling using various data transformations.
* Created and deployed Reports utilizing **SSRS** to design complex reports.
* Implemented subscriptions and snapshots in the **SSRS Report Manager**, report security, report delivery. Integrated reports from **SSRS** with SharePoint.
* Managed monitoring and alerting of database servers using **AWS Cloud** Watch service, Logic Monitor, Log Entries**, Idera** and **New Relic**.
* Participated in Performance Tuning and Query Optimization in both on-premise and in **AWS**.
* Configure **PostgreSQL** environments in both public and private domains and managed database migration from On-Premise PostgreSQL Servers to **AWS**.
* Migrated existing **SSIS packages** and **SQL Server databases** to **new HIPPA** server for security compliance.
* Worked closely with **Micro strategy** team for reporting requirements.
* Scheduled Jobs to run **SSIS** package using UC4/Atomic scheduler.

**Environment:**SQL Server 2008/2012, SQL, Enterprise manager, JavaScript, SSAS, SSIS 2008/2012, SSRS, MDX Cubes, SQL Compare, SQL Data Compare, UC4/Atomic, Rally, SQL Sentry, DTS Xchange.

**Sparta Systems****, Hamilton, New Jersey July 2015 - December 2016**

**Role:** **SQL Database administration**

**Project Description:** Sparta (runs on MS SQL Server) applications are used by product controllers primarily to check the price variance between internal prices and external prices from sources like Reuters, Bloomberg and GMI. An automated batch cycle is run daily to process feeds from America, Europe, and Asia Pacific Regions. Batch processes check for data validation, external price selection and calculates external market value and P&L difference and upload the changes to the Sparta systems.

**Responsibilities:**

* Involved in installations, upgrades, **patches,** and fixes.
* Migration of databases from **SQL Server 2008R2/2012 to SQL Server 2012R2**.
* Involved in the complete lifecycle and capacity planning of mission critical Databases.
* Monitoring and Troubleshooting jobs in Production, Preview, and Development environment.
* Providing 24x7 supports to Production, Preview, and **Development servers.**
* Involved in **Health** Check process for **SQL** **Server** databases using **Database** Maintenance Plans.
* Assisted in the design and development of the **Data Modeling** and **Data Warehouse design**.
* Replaced a transaction log replication with mirroring on a report server and took reports from snapshots of the **mirror database**.
* Coordinated physical changes, current space utilization and performance monitoring of two replicated production servers and two development servers.
* Optimized the query processing model by converting the Tabular format of the data to a **Multidimensional Model (Cubes).**
* Queried the cubes using **Multi-Dimensional expressions (MDX).**
* Designing Logical and Physical **Data Models** with **Visio**.
* Increased the availability of **production databases** by setting up mirroring.
* Conducted performance tuning on regular basis to improve performance of slow running **queries and stored procedures.**
* Implemented Security, which included **creating Logins**, Users and granting permissions to users.
* Managing security roles in **SQL Suite**& Install updates and patches.
* Maintained **cluster servers** to provide high availability.
* Created and tuned stored procedures, **triggers**, and tables.
* Used Execution Plan, **SQL** Profiler, and **Database Engine Tuning** Advisor to optimize queries and enhance the performance of databases
* Used **SQL Profiler** for troubleshooting, monitoring, optimization of **SQL Server** and non-production database code as well as **T- SQL** code from developers and **QA**
* Provide 24 X 7 supports to all production, development, staging and clustered servers.
* Configured two **Active/Passive** Clustering setups for failover on production servers.
* This included installing windows cluster service and **SQL 2012** on windows 2012 enterprise edition.

**Environment:** SQL Server 2000/2005, T- SQL, SQL Server Agent, SQL server Profiler, MDX, Data Tuning advisor, Mirroring, Disaster Recovery.

**Tergus Pharma,** **Raleigh, NC Oct 2013 - May 2015**

**Role****: SQL Database administration**

**Responsibilities:**

* Involved in migration of database from **MS SQL Server 2012/2008 and Oracle 9i** to **Oracle 10g**, working with database monitoring and tuning.
* Integrated the Backup status reporting for the entire database in the enterprise to enable the web reporting using **Oracle SQL**, **PL/SQL** and kern shells, **Unix shell Scripting**.
* Performed tablespace, dataset, and transaction recoveries at various instances.
* Maintained efficient and reliable backup and recovery routines
* Created Views, User Defined Functions, and **Triggers**.
* Developed calculated members and MDX expressions for specific OLAP reporting requirements.
* Extensively used Joins and sub-Queries to simplify complex queries involving multiple tables.
* Supported team in resolving in **DTS** and **T-SQL** related issues in **SQL Server DBA**.
* Wrote **Stored Procedures** according to specs and control files for input to **SQL\*Loader** utilities for loading data from external files into the Oracle database **ADFA**.
* Performed **Database Tuning**, Performed **Database Security,** and Integrity.
* Created **partitioning** of its types like Range, List & Hash by the specific use.
* **Cloning** of databases from production to development and test databases, used **RMAN** for **Backup & Recovery**.
* Reviewing performance stats and recommended changes for tuning **SQL** queries, database, server, and storage configurations in **SQL Server Database**.
* Used **SQL Profiler** and Query Analyzer to optimize **DTS** package queries and stored procedures.
* Generated **server-side T-SQL scripts** for data **manipulation** and **validation** and created various snapshots and materialized views for remote instances in **SQL Server Database.**
* Wrote **T-SQL** procedures to generate DML scripts that modified database objects dynamically based on user inputs.
* **Refresh/Cloning of Database** from production environment to test environment and application of patches and security patches downloaded from Oracle Meta link.
* Performing day-to -day **DBA** activities like Patching, Performance Tuning, Space Management, Backup and Recovery, Users and Security Management, Query Optimization, testing, implementation, and Shell scripting.
* Installation, configuration, and administration of **Oracle 11g RAC, 10g RAC**, Standby Databases for High Availability and **Disaster Recovery purpose.**
* Performed **Data guard switch** over to check the standby database is coordinated with production as per the business requirement and operated standby database using **Data Guard broker**
* Oracle utilities i.e. **export/import Data Pump, Flash Back Recovery, SQL Loader, Data Guard, ASM** and **OEM**.
* **Space management** of logical structures (i.e. table spaces, rollback segments) and auditing of users.
* Involved in performance tuning and monitoring of T-SQL blocks in **MS SQL Server Database**.
* Used **SQL Profiler** and **Query Analyzer** to optimize **DTS package** queries and stored procedures.
* Setup/Managing both Oracle & MS SQL Server Databases on Amazon RDS.
* Created and maintained **DDL** for all **MS SQL Server Database & Oracle Database**.
* **Develop and/or optimize** automated database administration processes and procedures to reduce overall man-hours needed to support existing DB2 infrastructure.
* Optimization of **SQL** queries, **PL/SQL**, Stored Procedures, Functions, Database Triggers and Shell scripting and worked with the users to meet business requirements.

**Environments:** MS SQL Server 2000/2005/2008/2012/2014/2016, Windows 2003/2008/2012, SSIS, SSAS, PL/SQL, MS Access, Perl script, Log Shipping, Replication, TSM/TDP, MDX, Golden Gate, SAN, NAS, RMAN, ETL, Oracle 11g RAC, 10g RAC, T-SQL, Oracle 9i, Oracle 10g.

**PNB Bank****, Bangalore, India Jan 2012 - Sep 2013**

**Role****: SQL Server DBA**

**Responsibilities:**

* Involved in designing of Conceptual **Logical Model** and **Physical Model.**
* Hand full of experience in using third party tools like **Idera, Lite speed, Red gate**.
* Directly responsible for the Extraction, Transformation and Loading of data from Multiple Sources to **Data Warehouse**.
* **DBA** activities like creating users, roles and granting and revoking privileges and Design and implement database backup and recovery procedures.
* Developed Database Triggers to enforce **Data integrity** and additional Referential Integrity.
* Created **SQL reports**, data extraction and data loading scripts for different databases and schemas.
* Wrote Transact **SQL** utilities to generate table insert and update statements.
* Calculate **disk space** and table space requirements and Involved in capacity planning, estimating, and sizing of tables.
* Involved in performance tuning and monitoring of **T-SQL blocks.**
* Involved in Data modeling to develop the database design using **Erwin.**
* Used **SQL Profiler** and Query Analyzer to optimize **DTS** package queries and stored procedures
* Generated server-side **T-SQL** scripts for data manipulation and validation and created various snapshots and materialized views for remote instances
* Wrote **T-SQL** procedures to generate **DML** scripts that modified database objects dynamically based on user inputs.
* Developed **SQL Queries** to fetch complex data from different tables in remote databases using joins, database links and formatted the results into reports and **kept logs.**
* Provided **24/7** critical production support for **data issues** and given appropriate solutions.

**Environment:** SQL Server 2000/2005, T-SQL, CVS, Windows NT/2000/XP

**Dell International Services,** **Hyderabad, India July 2010 – Dec 2011**

**Role:** **Junior Database Admin**

**Responsibilities:**

* Provided 24/7 support and maintained **terabyte** size of databases.
* Involved in migration of **MS SQL Server 2005/2008 to MS SQL Server 2008 R2.**
* Performed capacity planning to create and maintain **corporate databases** and processing demands across various sites.
* Created complex **Triggers**, Cursors, Tables, Views and SQL Joins and other statements for various applications, maintained referential integrity and implemented complex business logic.
* Simplified complex queries with multiple tables using **Joins and sub-Queries.**
* Engaged and administered **MS SQL** Server by creating user logins with appropriate roles, groups by granting required privileges to users and groups.
* Created Stored Procedures, ad-hoc queries, dashboard reports and Scheduled to run them by creating **SQL Agent Jobs.**
* Monitored High Availability of the servers and various data transfers between various servers using **BCP and DTS packages**.
* Modified existing databases and database management systems with the help of indexes, tables, partitions, triggers, constraints, stored procedures, large objects, views etc.
* Administered all database objects, including tables, clusters, indexes, views and sequences, packages, and procedures.
* Deployed administration tools like **SQL DB Access,** Performance Monitor, and Backup Utility along with monitoring tools like Site scope and spot light.
* Migration of database from Oracle 9i to Oracle 10g, Working with **database Monitoring and Tuning.**
* Integrated the Backup status reporting for the entire database in the enterprise to enable the web reporting using **Oracle SQL, PL/SQL and kern shells, Unix shell Scripting.**
* Implemented procedures to detect poor database performance, system integration checks, root cause analysis, performance tuning and query optimization.
* Involved with Transact **SQL (T-SQL)** Coding, writing queries, cursors, functions, views, & triggers.
* Increased team productivity and automated repetitive tasks by using batch files, PowerShell, **VBScript** and **WMI.**
* Designed and facilitated the implementation of data warehouses required by application systems
* Supported **OLAP** team to providing data from **SQL Servers**.
* Published the databases from old servers to new servers using snapshot replication.

**Environment**: SQL Server 2000/2005/2008, 2008 R2, Oracle 8i, VB 6.0, Unix Scripting, Windows 2000, Erwin, IIS 5.0, Crystal Reports 9.0, and Microsoft Reporting services 2.0., PowerShell, VBScript, OLAP, DTS Packages, BCP

**EDUCATION:**

* **Bachelor in Computer Science, India.**