**Nithya Chandrasekar**

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**PROFESSIONAL SUMMARY:**

* 10+ years of IT experience in **the Analysis, Design, Development, Administering, Implementing and Testing Client/server application using Microsoft SQL Server and BI suite** (Development, UAT and Production Environment).
* Strong technical knowledge in **MS SQL Server development including DTS, Microsoft Analysis Services, Performance tuning, Reporting,** designing logical/physical databases and Troubleshooting.
* Extensive experience with different phases of project life cycle (Analysis, Design, Implementation, **Testing, and debugging new and existing client - server-based** applications).
* Expert Knowledge of T-SQL, Integration Services (**SSIS**), Reporting Services (**SSRS**) and Analysis Services (**SSAS**).
* Experience in writing complex SQL queries involving multiple tables with inner and outer joins, stored procedures.
* Experience in creating indexed views, complex stored procedures, effective triggers, and useful functions to facilitate efficient data manipulation and consistent data storage.
* Experience in **SQL Server DTS and SSIS (Integration Service)** package design, constructing, and deployment.
* Worked Extensively on ETL process using SSIS package.
* Experience in enhancing and deploying the SSIS Packages from development server to production server.
* Experience in **Tableau** report developing, testing and deploying report using **Tableau Server**.
* Experience in creating **metrics, attributes, charts, filters, hierarchies, trend lines, sets and grouping, data blending,** Parameters and Complex Calculation to manipulate data using **Tableau**.
* Hands-on Experience in MDX Expressions, DAX Expressions, Power BI Power Pivot, Power integrated with Share Point and in creating dashboards in Power BI and Tableau visualization tools.
* Transformed data from one server to other servers using tools like Bulk Copy Program (BCP), Data Transformation Services **(DTS) and SQL Server Integration Services (SSIS).**
* Proficiency in creating different types of reports such as Cross-Tab, Conditional, Drill-down, Sub reports, and formatting them.
* Experience with **adhoc** reporting, Parameterized, Custom Reporting using **SSRS** for daily reports.
* Experience in using variables, expressions and functions and defining Query for generating drill down reports in SSRS.
* Experience in Dimensional **Modeling, Designing of STAR, SNOW FLAKE Schemas.**
* Created shared dimension tables, measures, hierarchies, levels, cubes and aggregations on **MS OLAP/ Analysis Server (SSAS).**
* Experience in Creation and deployment of cubes on **SSAS**.
* Experience in creating indexed views, complex stored procedures, effective triggers and useful functions to facilitate efficient data manipulation and consistent data storage.
* Worked with different versions of **SQL - 2005, 2008, 2008R2, 2012, 2014, 2016, 2017.**
* Migration of **SQL Databases** from **SQL 2008 to SQL 2016.**
* Experience in building the **Azure** Cloud Databases and transferring data to Azure using **SSIS**.
* Supported team in resolving **SQL Reporting services, SQL Integration services and T-SQL related issues.**
* Experience in Analyzing Execution Plan and managing indexes and troubleshooting deadlocks.
* Involved in DBA activities such as backups and restores.
* Ability to handle multiple tasks, initiative and adaptable. Proactive team player with capability of handling responsibilities independently as well.
* Daily support of system wide replication tasks including monitoring, alerting, and problem resolution.

**TOOLS AND TECHNOLOGIES:**

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| --- | --- |
| **Databases** | SQL Server 2017/2016/2014/2012/2008 R2/2008, Oracle 8i/9i/10g/11g, MYSQL |
| **Database Tools** | SQL Server Management Studio, Performance Monitor, Query Analyzer, Query Optimizer, SQL Profiler, Data Transformation Services (DTS), ETL, Bulk Insert and BCP, ODBC, Business Intelligence Development Studio (BIDS), SQL CMD. |
| **Reporting Tools** | SSRS, Report Builder, Focus, Power BI. |
| **Languages** | T-SQL, MDX, C, C++, VB 6.0, PL/SQL, C# 4.0, Shell Scripting, LINQ, ASP.NET, UML, XML, XMLA |
| **OLAP** | SQL Server Reporting Services (SSRS), SSIS, Crystal Reports 9.0/8.5, OLAP, Erwin, Tableau, Power BI |
| **Change Management Tool** | Tortoise SVN, Visual Source Safe (VSS), Team Foundation Server (TFS) |
| **Operating Systems** | Windows Server 2000/2003/2008/2012 , MS DOS, Unix, Linux. |
| **IT Processes** | Software Development Life Cycle (SDLC), Agile, Waterfall, Iterative |
| **Methodologies** | Agile, Waterfall, Scrum, SDLC |

**PROFESSIONAL EXPERIENCE:**

**Empower. Greenwood Valley, CO Insurance Domain (August 2021 – Till Date)**

**ROLE: SQL – BI Reporting Developer – Senior Consultant**

**Responsibilities:**

* Responsible for creating critical compliance test analysis documents and **Business Requirement Documents (BRD).**
* Created the Complex SQL Queries, User Functions, stored procedures, CTE has, Views, Indexes also created schema and Tables Using SSMS 2018.
* Involved in Normalization and De-Normalization of existing tables for faster query retrieval.
* Implemented advanced SQL queries using **DML and DDL** statements to extract large quantities of data from multiple data points on **MS SQL and Teradata SQL Assistant**.
* Developed story-telling dashboards in Tableau Desktop and published them on to Tableau Server, which allowed end users to understand the data on the fly with the usage of quick filters for on demand-needed information.
* Experience with the **SQLPS** module. The **SQLPS** module is a **PowerShell** module that provides a number of cmdlets for managing **SQL Server**. This is a valuable skill to have, as it allows you to automate many tasks that would otherwise be time-consuming and error-prone.
* Ability to write **PowerShell scripts** to perform common **SQL tasks**. This includes tasks such as creating and managing databases, tables, and views; executing queries; and **importing and exporting data**.
* Experience with **PowerShell scripting** for troubleshooting **SQL Server problems**. PowerShell can be a powerful tool for troubleshooting **SQL Server** problems. You can use **PowerShell scripts** to collect diagnostic information, run queries, and automate the resolution of problems.
* Familiarity with the **PowerShell ISE**. The **PowerShell ISE** is a graphical integrated development environment (IDE) for **PowerShell**. It can be a valuable tool for writing and **debugging PowerShell scripts**.
* Created extracts and published data sources on **tableau Server** for the users from various databases in Green Plum. Used complex joins and validated them by running and tuning long **SQL queries**.
* Worked with Business manager to gather requirements and translate them into Technical Documents.
* Scheduled data refresh on **Tableau Server** for weekly and monthly increments based on business change to ensure that the views and dashboards were displaying the changed data accurately
* Worked on **Tableau Command** line tools **tabadmin for** Configuration settings in tableau Server and tabcmd for users, group’s creation.
* Effectively involved in the maintenance of **Data Server, metadata management, creating shared Data sources and publishing them to Tableau Server.**
* Create action filters, parameters and calculations for preparing dashboards and worksheets in **Tableau**
* Continuous monitoring of tableau server for user availability and refreshes schedule.
* Experience in Extracting, Transforming and Loading (**ETL) data from Excel, Flat file, various other data sources to MS SQL Server by developing SSIS (SQL Server Integration Services) packages.**
* **Extensively used SSIS transformations such as Lookup, Derived column, Data conversion, Aggregate, Conditional split, SQL task, Script task and Send Mail task etc.**
* Created **SSIS packages to implement error/failure handling with event handlers, row redirects, and loggings.**
* **Experience in validating all the EDI transaction 83x and 27x in edifecs xengine and routing them to backend system**
* Created **SSIS packages** in such a way that they can be dynamically deployed into Development, Testing and Production Environments.
* Created and Configured **OLAP Cubes** (Star Schema and Snow Flex Schema) using **SQL Server Analysis Services (SSAS).**
* Developed data visualizations and dashboards using **Power BI and Tableau**
* Extensively involved in SSAS storage and partitions, and aggregations, calculation of queries with MDX, **Data Mining Models, developing reports using MDX and SQL.**
* Created **KPI's**, Partitions, Perspectives, and Calculated Measures, used **DAX queries**, Roles.
* Developed dashboards and ad-hoc reports using **MS Power BI** and **SSRS** for senior management team for analysis.
* Wrote calculated columns, Measures query's using **DAX** in **Power BI** to show good data analysis techniques.
* Involved in scorecard and **KPI Reporting**.
* Designed **Tableau and Power BI** dashboard which give a visual representation for the users on MTD sales growth, Visual analytics on injuries, dealer location map etc.,
* Worked on various visualization techniques in Tableau like **Scatter Plots, Histogram and Heat Maps.**
* Created different tabular reports using Power BI features and enhanced them based on user requirements.
* Utilized Power BI to design multiple scorecards and dashboards to display information required by different departments and upper level management.
* Installed and configured on premises gateway in **Power BI** services.
* Scheduled Automatic refresh and scheduling refresh in **Power BI** services.
* Provided continued maintenance and development of bug fixes for the existing and new **Power BI Reports**.
* Published dashboards on an intranet site using **SharePoint Server**.
* Collaborated with different stakeholders from various business units to validate and approve compliance tests independently.

**Environment**: MS SQL Server 2012/ 2014/ 2017, Microsoft Management Studio, Microsoft Visual Studio, MS SQL Server Integration Services (SSIS) 2012/2008R2/2008, SQL Server Reporting Services (SSRS), Power BI, Tableau, T-SQL.

**UHG New York, NY Health Care Domain (Jan 2020 – July 2021)**

**ROLE: SQL Server Developer – Software Engineer II**

**Responsibilities:**

* Analyzed company’s business practice and product performance to determine potential growth.
* Involved in creating database objects - Tables, Indexes, Views, User defined functions, Parameterized Stored Procedures.
* Wrote many stored procedures for cleaning, manipulating and processing data between the databases.
* Experienced in strategically implementing the indexes such as Clustered index, Non-clustered index, covering index appropriately on data structure to achieve faster data retrieval.
* Generated MDX scripts for KPIs and calculated members based on business requirements in SSAS.
* Migrated and recreated existing Dimensions and Cubes using Star schema on 2012 Server to achieve the efficiency of SQL Server Analysis (SSAS)
* Implemented DAX (Data Analysis Expressions) functions for SSAS tabular models and Excel pivot tables.
* Configured and managed data sources, data source views, cubes, dimensions, mining structures, roles and creating hierarchies and implemented cell level security in cubes using SSAS.
* Extensively used SQL queries to translate data into valuable information for decision-making.
* Implemented advanced SQL queries using **DML and DDL statements** to extract large quantities of data from multiple data points on**SQL Servers.**
* Extracting the data from the different sources **(CSV files, flat files, Excel files and MS SQL)**and stored the data into the intermediate **Staging Database using the SSIS ETL tool.**
* Created highly complex SSIS packages using various Data transformations like conditional splitting, Lookup, For Each Loop, Error handling.
* Defined best practices for Tableau report development.
* Defined best practices for Tableau report development and effectively used data blending feature in **tableau**.
* Created SSIS packages to implement error/failure handling with row redirects.
* Developed Cubes using **SQL Analysis Services (SSAS**) and Dimensions using cube wizard and Generated Named calculations and named queries.
* Experience in Designing, Building the Dimensions, cubes with star schema, snowflakes schema using **SQL Server Analysis Services (SSAS**) for analyzing purpose.
* Created partitions and designed aggregations in Cubes.
* Involved in Cube Partitioning, Refresh strategy and planning and Dimensional data modeling in **Analysis Services (SSAS)**
* Designed and implemented data models and reports in Power BI to help clients analyze data to identify market trends, competition and customer behavior.
* Developed custom calculated measures using DAX in **Power BI** to compare the company’s industry wide.
* Created different visualization **(Stacked bar Chart, Clustered bar Chart, Scatter Chart, Pie Chart,**Donut Chart, Line & Clustered Column Chart, Map, Slicer, Time Brush etc.) in Power BI according to the requirements.
* Developed **dashboards** including various charts- bar charts, pie charts, scatter charts, bubble charts and shape maps.
* Created Page Level Filters, Report Level Filters, Visual Level Filters in Power BI according to the requirements.
* Involved in reporting of KPI and gauges for some parameters to keep track of close competitors in the industry.
* Provided in-depth market research reports for qualitative and quantitative methods.
* Provided SWOT analysis on financial data using **Power BI charts**.
* Recommended new services based on data driven analysis.

**Environment:** MS SQL Server 2012/ 2014/ 2016, Microsoft Management Studio, Microsoft Visual Studio**,** Power BI, Power Pivot, Tableau, DAX.

**Ameriprise Financial. New York, NY Finance Domain (Nov 2018- Dec 2020)**

**ROLE: SQL Developer – Systems Engineer II**

**Responsibilities:**

* Experience in using **SQL Server** tools like **SQL Server Management Studio, SQL Server Data Tools, and SQL Server Visual Studio**.
* Extensively used **T-SQL** in constructing User Functions, Views, CTE’s Indexes, User Profiles, Relational Database Models, Data Dictionaries, and Data Integrity.
* Use DDL and DML for writing triggers, stored procedures, and data manipulation
* Used Joins, correlated and non-correlated sub-queries for complex business queries involving multiple tables & calculations from different databases.
* Error handling using Try-Catch Block.
* Designed **SSIS Packages** to transfer data from various sources like **Text Files, XML Files, Excel, Flat files**to **SQL Server.**
* Extensively used SSIS transformations such as Lookup, Derived column, Data conversion, Aggregate, Conditional split, SQL task, Script task and Send Mail task etc.
* Designed the SSIS packages with error handling.
* Analyzing and designing reports and reporting solutions according to the specifications given.
* Meet deadlines while meeting the reporting needs of the business users and project owners.
* Designed dynamic **SSIS Packages** to transfer data crossing different platforms, validate data during transferring, and archived data files for different DBMS.
* Created SSAS Tabular cubes and loaded dimensions and facts. Defined attribute properties in a Parent Child Dimensions.
* Designed, Build the Dimensions, cubes with star schema using SQL Server Analysis Services (SSAS).
* Design SSAS Cubes storage and partitions, and Aggregations, calculation of queries with MDX, Data Mining Models, developing reports using MDX and SQL.
* Using SQL Server **Reporting Services (SSRS)** delivering enterprise, Web-enabled reporting to create reports that draw content from a variety of data sources.
* Creating Ad Hoc and Parameterized Reports using SQL server Reporting services.
* Experience in creating Tablix Reports, Matrix Reports, Parameterized Reports, Sub-reports using **SQL Server Reporting Services.**
* Generated Sub-Reports, drilldown reports, Drill through reports and Parameterized reports using SSRS.
* Representation for various categories and regions based on business needs using SQL Server Reporting services (**SSRS).**
* Reports were created according to the report specifications and make sure to submit the work assignment before the due time.
* Scheduling the **jobs** for monthly reports and yearly reports
* Played a major role in production support and maintenance of SSIS jobs.
* Created Packages, Jobs and Sending Alerts using **SQL Mail, database Backup, Recovery and Disaster Recovery procedures**. Planned the complete Back-up of various Databases for Disaster recovery scenarios.

**Environment:** MS SQL Server 2008/2012, Micro Soft Visual Studio, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS)**.**

**UniCredit S.p.A, New York, NY Banking Domain (April 2016- Oct 2018)**

**ROLE: SQL Developer – Systems Engineer I**

**Responsibilities:**

* Developed Database Triggers to enforce Data integrity and additional Referential Integrity.
* Involved in designing Flow charts, office layout for the business users and professionals using **VISIO**.
* Created **SQL** reports, data extraction and data loading scripts for different databases and schemas.
* Developed **SQL Queries** to fetch complex data from different tables in remote databases using joins, database links, formatted the results into reports, and kept logs.
* Wrote Transact SQL utilities to generate table insert and update statements.
* Involved in performance tuning and monitoring of **T-SQL blocks.**
* Managed the entire ETL process, involving the access, manipulation, analysis, interpretation and presentation of information from both internal and secondary data sources to customers in sales area.
* Used SQL Profiler and Query Analyzer to optimize **DTS** package queries and stored procedures
* Involved in developing report using **SQL Server Report Services.**
* Wrote T-SQL procedures to generate **DML** scripts that modified database objects dynamically based on user inputs
* Performed all aspects of database administration, including data modeling, backups and recovery.

**Client: Expedia, Bellevue, WA (Sep 2014- March 2016)**

**ROLE: SQL Developer**

**Responsibilities:**

* Developed Database Triggers to enforce Data integrity and additional Referential Integrity.
* Extensively worked on SQL and Stored procedures, creation of tables, views, indexes, triggers etc.
* Developed packages to integrate data from different sources and produce files and data as required by the clients.
* Scripts using C language and Unix is performed
* Implementing the data warehouse concepts.
* Performing the SRS, SSIS and SSAS services.
* Used AWS Instances and XML, HTML Code
* Implemented testing methodologies as per the process in environments
* Implemented CI/CD pipeline operations and used GITHUB, Bitbucket
* Worked on Automation of Monthly Job using Python Basic Concepts.
* Discuss and ensure client requirements and standards incorporated in all designs and developments.
* Creating packages as per source to target mappings reflecting business requirements and rules.
* Worked in pressure conditions demanding strong analytical and debugging skills to trouble shoot the problems.
* Performed Unit Testing and System Integration Testing based on Test cases.
* Involved in generating various types of reports tabular, List and charts having features like drill down, sub-reports.
* Excellent Problem solving, Analytical and communication skills.
* Additional skills include C, Java (Core) Unix scripting, HTML and Python for Automation purpose
* Good Team Player and never give up attitude, Motivational skills

**Client: Deloitte, PA (Sep 2012 – Aug 2014)**

**Role: SQL BI Developer**

**Responsibilities:**

* Experience in using **SQL Server** tools like **SQL Server Management Studio, SQL Server Data Tools, and SQL Server Visual Studio**.
* Extensively used **T-SQL** in constructing User Functions, Views, CTE’s Indexes, User Profiles, Relational Database Models, Data Dictionaries, and Data Integrity.
* Use DDL and DML for writing triggers, stored procedures, and data manipulation
* Used Joins, correlated and non-correlated sub-queries for complex business queries involving multiple tables & calculations from different databases.
* Error handling using Try-Catch Block.
* Designed **SSIS Packages** to transfer data from various sources like **Text Files, XML Files, Excel, Flat files**to **SQL Server.**
* Extensively used SSIS transformations such as Lookup, Derived column, Data conversion, Aggregate, Conditional split, SQL task, Script task and Send Mail task etc.
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* Designed, Build the Dimensions, cubes with star schema using SQL Server Analysis Services (SSAS).
* Design SSAS Cubes storage and partitions, and Aggregations, calculation of queries with MDX, Data Mining Models, developing reports using MDX and SQL.
* Using SQL Server **Reporting Services (SSRS)** delivering enterprise, Web-enabled reporting to create reports that draw content from a variety of data sources.
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**Environment:** MS SQL Server 2008/2012, Micro Soft Visual Studio, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS)**.**

**Client: Marsh, Phoenix AZ (Jun 2011– Aug 2012)**

**Role: SQL Server Developer**

**Responsibilities:**

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* Involved in designing Flow charts, office layout for the business users and professionals using **VISIO**.
* Created **SQL** reports, data extraction and data loading scripts for different databases and schemas.
* Developed **SQL Queries** to fetch complex data from different tables in remote databases using joins, database links, formatted the results into reports, and kept logs.
* Wrote Transact SQL utilities to generate table insert and update statements.
* Involved in performance tuning and monitoring of **T-SQL blocks.**
* Managed the entire ETL process, involving the access, manipulation, analysis, interpretation and presentation of information from both internal and secondary data sources to customers in sales area.
* Used SQL Profiler and Query Analyzer to optimize **DTS** package queries and stored procedures
* Involved in developing report using **SQL Server Report Services.**
* Wrote T-SQL procedures to generate **DML** scripts that modified database objects dynamically based on user inputs
* Performed all aspects of database administration, including data modeling, backups and recovery.

**Environment:** MS SQL Server, T-SQL, Stored Procedures, SQL Server Enterprise Manager, ETL, DTS, SSRS, SQL Server Query Analyzer, SQL Profiler