**Anil Kumar**

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**Summary**

* **13 +** years of relevant experience in software development on **Microsoft** Technologies
* Software Development experience in designing and building Internet and Intranet applications
* Strong Communication & Management skills with Excellent Role-playing capabilities
* Extensive work experience with **SQL Server reporting Services (SSRS)**, **SQL Server Integration Services (SSIS)**, **SQL Server Analysis Services (SSAS)**, **Data Transformation Services (DTS), Azure Data Factory, GIT, TFS, AWS Database Migration Service (DMS), GCP Cloud SQL, SQL Server Management Studio (SSMS),** **Shell scripting**
* Extensive Knowledge of Normalization and Relational Database Management Systems.
* Good understanding in database and data warehousing concepts (OLTP & OLAP).
* Involved in analysis, design, development, and bug fix phases of product development.
* Involved in Huge data migrations, transfers using utilities like Data Transformation Services (DTS), and SSIS, Bulk Copy Program (BCP) and Bulk Insert
* Experienced in SDLC (Software Development Life Cycle) concepts like Planning, Analysis, Design, Implementation and Maintenance
* Worked extensively in SQL Server Database design, Database maintenance, Stored Procedures Indexed Views, User Defined Functions, Triggers and Distributed Transactions using

SQL Server 2005/2008/2008R2/2012/2014/2016/2019, Azure SQL Databases, Azure SQL Datawarehouse, ADI (FIS ETL Tool), BDI (FIS ETL Tool)

* Expertise in Performance tuning, Optimization, Data integrity and Statistics by using SQL Profiler
* Experience in Data Analysis, TSQL and Data migration experts using TSQL.
* Experience in Transparent Data Encryption (TDE) with SQL Server.
* Experience in modifying MDX Cubes and Dimensions in SSAS.
* Created Sophisticated calculated members using MDX queries, designed and created aggregations to speed up queries and improve performance in SSAS.
* Experience in SSAS storage and Partitions, Aggregations, Calculation of queries with MDX, Data mining Models, developing reports using MDX and SQL.
* Proficiency in creating different types of reports such as Crosstab, Drill-down, Top N, OLAP and Sub reports, and formatting them using both SSRS 2005/2008/2012/2014/2016.
* Developing and optimizing PL/SQL code for data manipulation, validation, and reporting
* Created and modified SQL Plus, PL/SQL and SQL Loader scripts for data conversions.
* Developed and modified triggers, packages, functions and stored procedures for data conversions and PL/SQL procedures to create database objects dynamically based on user inputs.
* Involved in Gathering business requirements and detailed specifications for Power BI/SSRS/ALDU dashboards from business analysts and End users
* Worked on administrative tasks like User Groups, Roles, Privileges, Cache Management.
* Practical understanding of the Data modeling (Dimensional & Relational) concepts like Star-Schema Modeling, Snowflake Schema Modeling, Fact and Dimension tables.
* Expert in generating on-demand and scheduled reports for business analysis or management decision using SQL Servers Reporting Services (SSRS) and POWER BI.
* Extensive experience in implementing Microsoft BI/Azure BI solutions like Azure Data Factory, Power BI, Azure Databricks, Azure Analysis Services.
* Experience in using Python libraries such as Pandas, NumPy, and Scikit-learn for data analysis and predictive modelling.
* Extensive experience in Deploying and Consolidating Multiple Instances over Clustering Environment and Remote Installations
* Experience in providing Logging, Error handling by using Event Handler, and Custom Logging for SSIS Packages
* Experienced in doing improving the performance of the Application
* Effective in working independently and collaboratively in teams
* Ability to learn new technologies and tools quickly

##### Technical and Domain knowledge

* **Languages**: **Vb. Net., C#.Net, Pandas, NumPy,** **Shell scripting, Python**
* **Technologies**: **Asp.Net using C#.Net, Vb.net, SQL Server reporting Services,**

**SQL Server Integration Services, SQL Server Analysis Services, Data Transformation Services (DTS), SQL Server ORM + Entity Framework, GIT, TFS,**

**AWS Database Migration Service (DMS), GCP Cloud SQL,** **SQL Server Management Studio (SSMS)**

* **Databases**: **SQL Server 2005, SQL Server 2008/2008R2, SQL Server 2012, SQL Server 2014, SQL Server 2016, SQL Server 2019, TSQL, Azure SQL Databases,**

**Oracle 10g, Oracle 11g, Oracle 18c (PL/SQL), My-SQL, PostgreSQL, Teradata, Azure SQL Databases, Azure SQL Datawarehouse,**

**PowerBI, ADI (FIS ETL Tool), BDI (FIS ETL Tool)**

* **Operating Systems: Windows XP, Windows7, 2003, 2008,10,11, Windows Professional.**

##### Educational Qualification

* **Bachelor of Engineering** in Electrical and Electronics from **Anna University**, Chennai

### Project Summary

Project 1

* Client: Capital One, Dallas USA
* Position: **SQL Developer**
* Environment: **SSDT 2017, Microsoft SQL Server-2019, SQL Server Integration Services (SSIS)**,

**SQL Server Analysis Services (SSAS), C#**

* Duration: Jun 2023 to till date

**Responsibilities:**

* Involved in Software Development Life Cycle (SLDC) process by analyzing business requirements and understanding the functional work flow of information from source systems to destination systems. Establish database management systems, standards, guidelines, and quality assurance for database deliverables, including conceptual design, logical database, capacity planning, external data interface specification, data loading plan, data maintenance plan and security policy
* Designed and developed SSIS Packages to import and export data from MS Excel, SQL Server database and Flat files. Participate in quality assurance and develop test application code in client server environment.
* Provide expertise in devising, negotiating, and defending the tables and fields provided in the database
* Resolved production issues by modifying backend code as and when required. Created SSIS packages to clean and load data to data warehouse.
* Used different joins, sub queries and nested query in SQL query.
* Created Database Objects like tables, Views, Stored Procedures, Functions, views, triggers, and other database objects
* Used SSIS script task, script component and data flow tasks with T- SQL scripts and C#.
* write complex T-SQL queries for data retrieval, manipulation, and reporting.
* Optimize existing SSIS Packages reduce package running time.
* Involved in Production migration, develop change request and given production support.
* Created SSIS packages for data Importing, Cleansing, and Parsing etc. Extracted, cleaned and validated.
* Involved in Analyzing, designing, building, testing of OLAP cubes with SSAS and adding calculations using MDX.
* Created Sophisticated calculated members using MDX queries designed and created aggregations to speed up queries and improve performance in SSAS.
* Used SSAS storage and Partitions, Aggregations, Calculation of queries with MDX, Data mining Models, developing reports using MDX and SQL.
* Establish database management systems, standards, guidelines, and quality assurance for database deliverables, including conceptual design, logical database, capacity planning, external data interface specification, data loading plan, data maintenance plan and security policy
* Maintain database dictionaries, monitor overall database standards and procedures, and integrate systems through database design
* Work closely with other developers to integrate databases with other applications

Project 2

* Client: S&T Bank Philadelphia, USA
* Position: **SQL Server (MSBI) Developer**
* Environment: **SSDT 2017, Microsoft SQL Server-2019, SQL Server Integration Services (SSIS)**,

**SQL Server Analysis Services (SSAS), BDI (FIS ETL Tool), C#**

* Duration: Feb 2022 to May 2023

**Responsibilities:**

* Perform database design, creation, coding, implementation, testing, maintenance and troubleshooting for software applications Created package to transfer data between Flat files and OLAP databases.
* Establish database management systems, standards, guidelines, and quality assurance for database deliverables, including conceptual design, logical database, capacity planning, external data interface specification, data loading plan, data maintenance plan and security policy
* Evaluate, design, code, implement, optimize, and modify databases and database applications with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods
* Participate in quality assurance and develop test application code in client server environment
* Provide expertise in devising, negotiating, and defending the tables and fields provided in the database
* Adapt business requirements, developed by business systems analysts, modeling and development staff to develop data, database specifications and table and element attributes applications
* Developed Transact -SQL commands including complex queries, views, functions, stored procedures on SQL Server 2019.
* Created SSIS packages to clean and load data to data warehouse.
* Optimize existing SSIS Packages reduce package running time.
* Creating and utilizing table-valued functions in T-SQL.
* Involved in Production migration, develop change request and given production support.
* Used T-SQL window functions for advanced analytical queries.
* Involved in Analyzing, designing, building, testing of OLAP cubes with SSAS and adding calculations using MDX.
* Created Sophisticated calculated members using MDX queries designed and created aggregations to speed up queries and improve performance in SSAS.
* Used SSAS storage and Partitions, Aggregations, Calculation of queries with MDX, Data mining Models, developing reports using MDX and SQL.
* Implementing various SSIS packages having different tasks and transformations
* Created user variables, property expressions, Script task in SSIS
* Created package to transfer data between Flat files and OLAP databases.
* Used SSIS script task, script component and data flow tasks with T- SQL scripts and C#.
* Created SSIS packages for data Importing, Cleansing, and Parsing etc. Extracted, cleaned and validated.
* Model databases and develop tables, stored procedures, views, triggers, and other database objects
* Maintain database dictionaries, monitor overall database standards and procedures, and integrate systems through database design
* Work closely with other developers to integrate databases with other applications
* Provide leadership and guidance to other technical professionals

Project 3

* Client: CIMB Group (Malaysia, Singapore, Thailand, Indonesia), Kuala Lumpur, Malaysia
* Position: **SQL Server (MSBI) Developer**
* Environment: **SSDT 2012/2017, Microsoft SQL Server-2012/2019, SQL Server Integration Services (SSIS),**

**SQL Server Analysis Services (SSAS), BDI (FIS ETL Tool), C#**

* Duration: Jan 2017 – Jan 2022

**Responsibilities:**

* Created SSIS packages to clean and load data to data warehouse.
* Created package to transfer data between Flat files and OLAP databases.
* Created SSIS Packages using Pivot Transformation, Fuzzy Lookup, Derived Columns, Condition Split, Term extraction, Aggregate, Execute SQL Task, Data Flow Task, and Execute Package Task etc to generate underlying data for the reports and to export cleaned data from Excel Spreadsheets, Text file, MS Access and CSV files to data warehouse.
* Used SSIS script task, script component and data flow tasks with T- SQL scripts and C#.
* Created a table to save dirty records.
* Created SSIS packages for data Importing, Cleansing, and Parsing etc. Extracted, cleaned and validated.
* Optimize existing SSIS Packages reduce package running time.
* Involved in Production migration, develop change request and given production support.
* Involved in routine database maintenance tasks using T-SQL, such as rebuilding indexes, updating statistics, and managing database files.
* Scheduled SSIS Jobs using SQL Server Agent and windows scheduler.
* Developed complex T-SQL queries and views to support business intelligence reporting needs.
* Involved in Analyzing, designing, building, testing of OLAP cubes with SSAS and adding calculations using MDX.
* Created Sophisticated calculated members using MDX queries designed and created aggregations to speed up queries and improve performance in SSAS.
* Used SSAS storage and Partitions, Aggregations, Calculation of queries with MDX, Data mining Models, developing reports using MDX and SQL.
* Developed SQL Queries to fetch complex data from different tables in remote databases by using joins, database links and formatted the results into reports and kept logs.
* Extracted data from disparate sources and loaded into staging database and data warehouse performing extensive ETL operation
* Create stored procedures to generate required datasets based on individual report specifications.
* Created database maintenance planner for the performance of SQL Server, which covers Database integrity checks and Re-indexing.
* Extensively used Joins and sub-queries for complex queries involving multiple tables from database.
* Create stored procedures to generate required datasets based on individual report specifications.
* Develop SQL Scripts to dynamically manipulate data and generate well-formatted reports based on user requirements
* Test, modify and/or debug internally developed reports and stored procedures
* Created database maintenance planner for the performance of SQL Server, which covers Database integrity checks and Re-indexing.
* Managed and troubleshoot report server related issues.
* Designed and developed the required SQL stored procedures and database functions using SQL Server 2012/2019.
* Create logging for ETL load at package level and task level to log number of records processed by each package and each task in a package using SSIS.
* Involved in performance testing. Involved in performance tuning, query optimization.

Project 4

* Client: Bank Muamalat, Kuala Lumpur, Malaysia
* Position: **SQL Server (MSBI) Developer**
* Environment: **SSDT 2012, Microsoft SQL Server-2012, SQL Server Integration Services (SSIS),**

**SQL Server Analysis Services (SSAS), C#**

* Duration: Sep 2015 – Dec 2016

**Responsibilities:**

* Created SSIS packages to clean and load data to data warehouse.
* Created package to transfer data between Flat files and OLAP databases.
* Experience in SSIS script task and data flow tasks using T- SQL scripts and C#
* Implementing various SSIS packages having different tasks and transformations
* Created SSIS packages for data Importing, Cleansing, and Parsing etc. Extracted, cleaned and validated.
* Developed complex T-SQL queries and stored procedures to support diverse application requirements.
* Scheduled SSIS Jobs using SQL Server Agent and windows scheduler.
* Optimized the performance of queries by removing unnecessary columns, eliminate redundant and inconsistent data and normalized tables
* Extracted data from disparate sources and loaded into staging database and data warehouse performing extensive ETL operation
* Create stored procedures to generate required datasets based on individual report specifications.
* Created database maintenance planner for the performance of SQL Server, which covers Database integrity checks and Re-indexing.
* Create stored procedures to generate required datasets based on individual report specifications.
* Extensive use of Stored Procedures by creating new stored procedures and modifying existing ones.
* Create logging for ETL load at package level and task level to log number of records processed by each package and each task in package using in SSIS.
* Develop SQL Scripts to dynamically manipulate data and generate well-formatted reports based on user requirements
* Test, modify and/or debug internally developed reports and stored procedures
* Managed and troubleshoot report server related issues.
* Responsible for Deploying and Maintaining SSIS Packages.
* Designed and developed the required SQL stored procedures and database functions using SQL Server 2012.
* Involved in performance testing. Involved in performance tuning, query optimization.

Project 5

* Client: eZmoney, Kota Kinabalu, Malaysia
* Position: **SQL Server Developer**
* Environment: **Visual Studio 2012, SSDT 2012, ASP.NET with C#, Microsoft SQL Server-2012, Java Script, XML,**

**Sql Server reporting Services, JQuery**

* Duration: Sep 2014 – Aug 2015

**Responsibilities:**

* Design and develop various customized reports like Sub-reports, drill-down reports, parameterized reports for different users.
* Developed Various SSRS reports for the easy analysis of Claimants information.
* Worked on various Ad hoc reports.
* Created ETL packages with different data sources (SQL Server, Flat Files, Excel source files, XML files etc.) and then loaded the data into destination tables by performing different kinds of transformations.
* Developed SQL Queries to fetch complex data from different tables in remote databases by using joins, database links and formatted the results into reports and kept logs.
* Generated Tabular reports, Linked reports, parameterized reports to SSRS reports.
* Extracted data from disparate sources and loaded into staging database and data warehouse performing extensive ETL operation
* Create stored procedures to generate required datasets based on individual report specifications.
* Created database maintenance planner for the performance of SQL Server, which covers Database integrity checks and Re-indexing.
* Worked on various Ad hoc reports.
* Create stored procedures to generate required datasets based on individual report specifications.
* Analyze and design report templates using SSRS 2012 based on client requirement
* Develop SQL Scripts to dynamically manipulate data and generate well-formatted reports based on user requirements
* Test, modify and/or debug internally developed reports and stored procedures
* Created subscriptions to provide a daily basis reports.
* Managed and troubleshoot report server related issues.
* Used SSIS script task, look up transformations and data flow tasks using T- SQL and Visual Basic (VB) scripts
* Designed and developed the required SQL stored procedures and database functions using SQL Server 2012.
* Involved in performance testing. Involved in performance tuning, query optimization.

Project 6

* Client: Cagamas Berthed, Kuala Lumpur, Malaysia
* Position: **SQL Server (MSBI) Developer**
* Environment: **SSDT 2012, Microsoft SQL Server-2012, SQL Server Integration Services (SSIS),**

**SQL Server Analysis Services (SSAS)**

* Duration: Aug 2013 – Aug 2014

**Responsibilities:**

* Created SSIS packages to clean and load data to data warehouse.
* Responsible for the Extraction, Transformation and Loading of Multiple Sources to Data Warehouse using SSIS
* Created package to transfer data between Flat files and OLAP databases.
* Used SSIS script task and data flow tasks using T- SQL scripts and C#
* Created a table to save dirty records.
* Created SSIS packages for data Importing, Cleansing, and Parsing etc. Extracted, cleaned and validated.
* Used different Control Flow Tasks and Data flow Tasks for Creating SSIS Packages. Designed using different types of Transformations for Data Conversion , Derived Columns with Multiple Data Flow tasks
* Scheduled SSIS Jobs using SQL Server Agent.
* Developed SQL Queries to fetch complex data from different tables in remote databases by using joins, database links and formatted the results into reports and kept logs.
* Extracted data from disparate sources and loaded into staging database and data warehouse performing extensive ETL operation
* Create stored procedures to generate required datasets based on individual report specifications.
* Created database maintenance planner for the performance of SQL Server, which covers Database integrity checks and Re-indexing.
* Create stored procedures to generate required datasets based on individual report specifications.
* Develop SQL Scripts to dynamically manipulate data and generate well-formatted reports based on user requirements
* Create logging for ETL load at package level and task level to log number of records processed by each package and each task in package using in SSIS
* Test, modify and/or debug internally developed reports and stored procedures
* Designed and developed the required SQL stored procedures and database functions using SQL Server 2012.
* Involved in performance testing. Involved in performance tuning, query optimization.

Project 7

* Client: Bank Islam, Kuala Lumpur, Malaysia
* Position: **SQL Server (MSBI) Developer**
* Environment: **Visual Studio 2008, MS SQL Server 2008R2, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), C#**
* Duration: Dec 2012 – Jul 2013

**Responsibilities:**

* Created SSIS packages to clean and load data to data warehouse.
* Created package to transfer data between Flat files and OLAP databases.
* Used SSIS script task and data flow tasks using T- SQL scripts and C#.
* Collaborate with development teams to create efficient T-SQL scripts for data manipulation and reporting.
* Created SSIS packages for data Importing, Cleansing, and Parsing etc. Extracted, cleaned and validated.
* Created complex queries to automate data profiling process needed to define the structure of the pre
* Scheduled SSIS Jobs using SQL Server Agent
* Extracted data from disparate sources and loaded into staging database and data warehouse performing extensive ETL operation
* Create stored procedures to generate required datasets based on individual report specifications.
* Created database maintenance planner for the performance of SQL Server, which covers Database integrity checks and Re-indexing.
* Create stored procedures to generate required datasets based on individual report specifications.
* Analyze and design report templates using SSRS 2008 based on client requirement
* Develop SQL Scripts to dynamically manipulate data and generate well-formatted reports based on user requirements
* Test, modify and/or debug internally developed reports and stored procedures
* Managed and troubleshoot report server related issues.
* Designed and developed the required SQL stored procedures and database functions using SQL Server 2008.
* Involved in performance testing. Involved in performance tuning, query optimization.

Project 8

* Client: Merchantrade, Kuala Lumpur, Malaysia
* Position: **SQL Server (MSBI) Developer**
* Environment: **Visual Studio 2005/2008, MS SQL Server 2008R2/2005, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS)**
* Duration: Apr 2011 to Nov 2012

**Responsibilities:**

* Design and develop various customized reports like Sub-reports, drill-down reports, parameterized reports for different users.
* Developed Various SSRS reports for the easy analysis of Claimants information.
* Worked on various Ad hoc reports.
* Created ETL packages with different data sources (SQL Server, Flat Files, Excel source files, XML files etc.) and then loaded the data into destination tables by performing different kinds of transformations.
* Generated Tabular reports, Linked reports, parameterized reports to SSRS reports.
* Implemented security to restrict the access to users and to allow them to use only certain reports.
* Extracted data from disparate sources and loaded into staging database and data warehouse performing extensive ETL operation
* Create stored procedures to generate required datasets based on individual report specifications.
* Created database maintenance planner for the performance of SQL Server, which covers Database integrity checks and Re-indexing.
* Create stored procedures to generate required datasets based on individual report specifications.
* Analyze and design report templates using SSRS 2008 based on client requirement
* Develop SQL Scripts to dynamically manipulate data and generate well-formatted reports based on user requirements
* Test, modify and/or debug internally developed reports and stored procedures
* Created subscriptions to provide a daily basis reports.
* Managed and troubleshoot report server related issues.
* Used SSIS script task, look up transformations and data flow tasks using T- SQL and Visual Basic (VB) scripts
* Designed and developed the required SQL stored procedures and database functions using SQL Server 2008.
* Involved in performance testing. Involved in performance tuning, query optimization.

Project 9

* Client: MSCL HOLDING SDN BHD, Kuala Lumpur, Malaysia
* Position: **SQL, ETL/Report Analyst.**
* Environment: **Visual Studio 2005/2008, ASP.NET with C#, SQL Server Integration Services,** **Data Transformation Services (DTS), SQL Server Reporting Services,**

**Microsoft SQL Server-2005/2008R2, Java Script, Ajax and XML**

* Duration: Aug 2010 to Mar 2011

**Responsibilities:**

* Analyze the requirement and design the report templates using SSRS 2008
* Design and develop various customized reports like Sub-reports, drill-down reports, parameterized reports for different users.
* Involved in designing and developing the Back End functionality using SQL Server 2008R2.
* Developed Various SSRS reports for the easy analysis of Claimants information.
* Create stored procedures to generate required datasets based on individual report specifications.
* Analyze and design report templates using SSRS 2008 based on client requirement
* Designed and developed the required SQL stored procedures and database functions using SQL Server 2008R2.
* Created stored procedures to pass the initial loads into a single database.
* Extracted data from disparate sources and loaded into staging database and data warehouse performing extensive ETL operation.
* Created SSIS script task, look up transformations and data flow tasks using T- SQL and Visual Basic (VB) script
* Extensively used Joins and sub-queries for complex queries involving multiple tables from database.
* Involved in upgrading from SQL Server 2005 to SQL Server 2008.