Sunil Kumar

snnaikode53@gmail.com
+91 (968) 615-5864
Specialist -Data Engineering

PROFESSIONAL SUMMARY:

- **12+** years of IT experience in the **Analysis, Design, Development, Administering, Implementing, and Testing of Client/server applications using Microsoft technologies** (Dev/UAT/Production Environment).
- Hands on experienced in **Azure SQL database, MSBI(SSIS), Azure Data Factory, Databricks, and Azure Blob Storage, ADLS Gen2, Delta Lake.**
- Experience in writing complex SQL queries involving multiple tables with inner and outer joins, and stored procedures.
- Experience in creating indexed views, complex stored procedures, and useful functions to facilitate efficient data manipulation and consistent data storage.
- Built various data warehouse ETL solutions for **Insurance Property & Casualty, Retail, Digital marketing & manufacturing** clients.
- Experience in **Azure data factory Pipeline** designing, building and deployment using **CI/CD** Process.
- Experience in enhancing and deploying the SSIS Packages from the dev/UAT server to the production server.
- Having good knowledge in of **CI / CD** pipelines and **Azure DevOps, GitHub**
- Built the **Databrics** notebook jobs to ingest data into Bronze/Silver/Gold layer**.**
- Transformed data from one server to other servers using tools like Bulk Copy Program (BCP) using **SSIS**.
- Have beginner understanding of and Snowflake databases.
- Experience in building **staging, dimensional, fact and report layers of Enterprise Data warehouse (EDW).**
- Created dimension, fact tables, measures, hierarchies, levels, cubes, and aggregations
- Performed the migration activity of Databases from SQL 2008 to SQL 2016, Oracle 8i to SQL 2014
- Worked on Data migration from on premise to Cloud by using ADF and transforming them by using ADB and loading them to Data Lake or Delta Lake
- Supported team in resolving **ADF, ADB, SSIS and T-SQL-related issues.**
- Experience in Analyzing Job Schedular jobs and managing catalogs and troubleshooting deadlocks.
- Involved in DBA activities such as backups and restores, resource utilizations.
- Involved in cloud cost optimizations initiatives **scale up/down** the resources, changing Synapse service tier from standard **S4 to S2**, Removing redundant Azure database
- Extensively working with job tools like, SQL agent, ADF pipeline run activity, Databricks notebook jobs.
- Ability to handle multiple tasks, initiative, and adaptability. Proactive team player with the capability of handling responsibilities independently as well.

TECHNICAL SKILLS:

Databases	SQL Server 2019/2016/2014/2012, Oracle 10g/11g, IBM DB2
ETL Tools/cloud services	Microsoft Azure Databricks, Azure Data factory, Azure Data Lake, MSBI (SSIS, SSRS) Delta Lake, Azure Active directory, AZURE DevOps
Reporting /data Modeling Tools	Power BI, Server Reporting Services (SSRS), Erwin, Microsoft Tabular model
Languages	T-SQL, PL/SQL, Shell Scripting, ASP.NET, C#, Pyspark
Change Management Tool	Visual Source Safe (VSS), Team Foundation Server (TFS), Azure DevOps, CICD, GitHub
ITSM tools	Service now, JIRA, Confluence, Cherwell

Operating Systems	Windows Server 2010/2012, MS-DOS, Unix, Linux.
Methodologies	Agile, Waterfall, Scrum, SDLC

EDUCATION DETAILS:

1. Bachelor of Engineering in Computer Science   Visvesvaraya Technological University, Karnataka, India-- 2010

EMPLOYMENT SUMMARY:

1. **LTIMindtree Ltd**   Specialist-Data Engineering (Data & Insights) April 2015 -Till date   (8 year 1 month)
2. **Symphony Teleca Crop**   Senior Software Engineer - BI & Analytics   Mar 2012 - Apr 2015 (3 year   1 month)
   (Now Harman International Ltd)
3. **Theorem India Pvt Ltd**   Software Engineer -BI & Analytics   Oct 2010 - Mar 2012 (1 year   5 month)

PROFESSIONAL CERTIFCATIONS/AWARDS:

1. **AZ 900** Microsoft Azure fundamentals certified professional.
2. **DP 900** Microsoft Azure Data fundamentals certified professional.
3. **DP-203** Data Engineering on Microsoft Azure certified professional
4. Received **Hall of fame** annual award at **LTI**.
5. Received **GoMax** monthly award at **LTI**.
6. Received **Make it happen** quarterly award at **Symphony Teleca Corp**.

WORKED ON CLIENTS PROJECTS:

Procter & Gamble (P&G), USA.

Komatsu America Corp, USA, Komatsu Mining Corp USA.

Insurity Inc. USA, Chubb USA, Allstate USA.

IRIWorldwide (Circana), USA, Tesco UK, REWE Group Germany.

McCormick UK, Heineken UK, Nestle USA

BRBNMPL(RBI), India

Epsilon Inc USA, Marriott Inc USA, AAA USA, JP Morgan Chase USA.

Client: Procter and Gamble(P&G), USA
Implementation partner: (LTIMindtree)
Role: Lead Data Engineer

Jan 2023 to till date

The Procter & Gamble (P&G) is an American multinational consumer goods corporation It specializes in wide range of personal health/consumer health, personal care and hygiene products, these products are organized into several segments including beauty, grooming, health care, fabric & home care, and baby, feminine, & family care its product portfolio also included food, snacks, and beverages and 65+ other brands.

RESPONSIBILITIES:
- Worked with data engineering teams to build **Next generation self-service** (NGSS) data platform for P&G.
- Closely worked with Product Owners/Business Analysts/Architects/ SME's of P&G.
- Created data ingestion Pipelines using **ADF** and **Azure Databricks notebooks**.
- Written pyspark and python notebooks for data processing.
- Extended support for modifying legacy Azure synapse pipelines.
- Assisted team for migrating legacy on prime SQL server to Azure cloud server.
- Designed and created pipelines for moving data from Azure blob to ADLS Gen2.
- Worked on various change requests and documented the same in confluence tool.
- Actively participated in daily Agile Scrum and onshore offshore connect meetings.
- Helping in moving on-perm to the cloud (Microsoft Azure) as their moving data warehouse platform
- Created notebooks to load data from source systems to **bronze/Silver/Gold** layer.
- Created the **Yaml** file/Databricks jobs to automate the daily data load process.
- Execution of automated test cases, analyze the reports.
- Debugging and fixing of automation test scripts.
- Worked on various developments user stories and updated the same in daily scrum meeting.
- Creating CICD releases using azure DevOps for deploying the code in different environments.

Tools & Technologies:
 Azure Data Factory, Azure Data Lake Gen-2, ADB, Pyspark, Azure DevOps, MS SQL Server, T-SQL, Stored Procedures, SQL Navigator, ETL, MSBI (SSIS, SSRS) SQL Server Query Analyzer, SQL Profiler, Service now, JIRA.

Client: KOMATSU AMERICA CORPORATION
Implementation partner: (LTIMindtree)
Role: Lead Data Engineer

Aug 2020 to Dec 2022

The world's infrastructure has relied on Komatsu to empower them. Through manufacturing, technology, and service innovation with a reputation for high quality, reliability, insights, and support, we work as partners to create lasting value for your business.

RESPONSIBILITIES:
- BI Developer to help support SPS and Non-SPS teams in analytics functionality ranging from inventory, sales, and retail sales to executive reporting both domestically and globally.
- Responsible for enhancements to the current systems, ingesting new data sources, and helping migrate Legacy SSIS to ADP
- Analyzing and working with data sets including SQL Server, Oracle & DB2 backend, and Some of the Third-party replication tools.
- Closely worked with Product Owners/Business Analysts/Architects/ SME's of P&G.

- Helping in moving on-prem to the cloud (Microsoft Azure) as their moving data warehouse platform
- Focuses mostly on the ETL and back-end portions of BI
- Enhancing **procedures, views, and SQL for** data extraction and loading scripts for databases and schemas.
- Developed **SQL Queries** to fetch complex data from different tables in remote databases using joins, and database links and formatted the results into reports and kept logs.
- Wrote Transact SQL utilities to generate table insert and update statements.
- 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 the sales area.
- Performed all aspects of database administration, including data modeling, backups, and recovery.
- Responsible for providing **DW tables access** in sites to other Bi teams to Generate **Power BI** Reports
- Involved in installations and implementing the Change review board meeting and implementation changes without disturbing the existing patterns.
- Extended my support activity involves monitoring of 200+ SQL jobs and 100+ ADF pipelines.
- Designed and developed SSIS packages/Pipelines for loading dimension and fact parts warehouse data. And extended support for modifying ADF pipelines.
- Assisted team for migrating legacy on prime SQL server to Azure cloud server
- Unit testing, SIT, and UAT various **SSIS pkg and Advance analytics platform synapse analytics** deploying them to the production.
- Helping To report and Power BI team with various ETL-related issues and working with cross-functional teams

Tools & Technologies:

Azure Data Factory, ADLS Gen2, ADB, Pyspark, Azure DevOps, MS SQL Server, T-SQL, Stored Procedures, SQL Navigator, ETL, MSBI (SSIS, SSRS) SQL Server Query Analyzer, SQL Profiler, Service now, JIRA.

Client: Insurity Inc, USA
Role: SQL Server/ MSBI lead   **Jan 2016 to July 2020**

The project is about designing and developing insurance product IEV (Insurance Enterprise View) to cater insurance administration Policy/claim/Billing modules). The insurance enterprise view product consolidates data from policy, billing, claims and reinsurance systems to provide insurance companies with integrated intelligence and actionable insights for agile decision making.

RESPONSIBILITIES:
- Responsible for Microsoft Business Intelligence Stack and SQL Server Integration Services (SSIS), SSRS and ETL
- BI Developer to help support all reporting and analytics functionality of Policy claim and Billing models of IEV product
- Responsible for enhancements to the current systems, ingesting new data sources (i.e., acquisitions), building out ETL Solutions
- Analyzing and working with data sets including SQL Server, Oracle backend and Some of the legacy reports are still in Excel or SSRS
- Helping in moving on-prem to the cloud (Microsoft Azure) as their moving data warehouse platform
- Focuses mostly on the ETL and back-end portions of BI including building out ETL packages, partitioning data, dynamic partitioning, database tuning, cluster column store indexing, and ETL.
- 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, and database links and formatted the results into reports and kept logs.
- Wrote Transact SQL utilities to generate table insert and update statements.
- Working with Oracle, PL-SQL, and stored procedures.
- 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 the sales area.

- Used SQL Profiler and Query Analyzer to optimize **DTS** package queries and stored procedures
- Involved in developing reports 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.
- Unit testing, SIT, and UAT various **Power BI** report and deploying them to production.
- Developed reports to visually explore data and create an interactive report **Excel** and **Power BI**
- Create visual dashboards to view holistic view environments and applications.

ENVIRONMENT/Tools: MS SQL Server, T-SQL, Stored Procedures, SQL Navigator, ETL, SSIS, SSRS, SQL Server Query Analyzer, SQL   Profiler, Service now, JIRA

Clients: IRI Worldwide Inc, USA
Role: SQL BI Developer/ ETL Developer   **March-2012 to Apr-2015**

IRI worldwide is a data analytics and market research company headquartered in the United States. The company provides clients with consumer, shopper, and retail market intelligence as well as analysis on consumer-packaged goods (CPG), retail, and healthcare industries.

The scope of this project involves providing solutions to Manufacturer, The IRI worldwide, which provides the syndicated data to manufacturers. Currently it has 25+ active clients including some of the clients like PepsiCo, Coca cola, Henkel,20+ clients. Every week we will process the store level data collected from the retailer, IRI field workers and EPOS data received from the retailers. After this we give the specific category data to the clients as per their requirements. Client will see the reports in the Oracle sales Analyzer (OSA), and via Symphony RPM tool.

RESPONSIBILITIES:
- Created Complex SQL Queries, User Functions, stored procedures, CTEs, Views, and Indexes also created schema and Tables Using SSMS 2018.
- Involved in Normalization and De-Normalization of existing tables for faster query retrieval.
- Experience in Data Analysis, understanding trends and patterns in data.
- Experience in Extracting, Transforming, and Loading (ETL) data from Excel, Flat files, and 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.
- Created SSIS packages in such a way that they can be dynamically deployed into Development, Testing, and Production Environments.
- Scheduled Automatic refresh and scheduling refresh in SSRS services.
- Provided continued maintenance and development of bug fixes for the existing and ETL packages/SSRS reports.
- Published dashboards on an intranet site using SharePoint Server.
- Collaborated with different stakeholders from various business units to validate critical business reports.

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), SSIS, T-SQL.

Client: Epsilon Inc, USA
Role: SQL BI Developer   **Oct 2010 to Mar 2012**

Epsilon is a global advertising and marketing technology company positioned at the center of Publicis Groupe.

It connects advertisers with consumers to drive performance while respecting and protecting consumer privacy and client data. Epsilon accelerates clients' ability to harness the power of their first-party data in order to enhance, Activate and measure campaigns with confidence.

RESPONSIBILITIES:

- Involved in creating database objects – Tables, Indexes, Views, User defined functions, and 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, and non-clustered index, covering index appropriately on data structure to achieve faster data retrieval.
- 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.**
- 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, and database links and formatted the results into reports and kept logs.
- Extracting the data from the different sources **(CSV files, flat files, Excel files, and MS SQL)** and storing the data in 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, and Error handling.
- Created SSIS packages to implement error/failure handling with row redirects.

ENVIRONMENT: MS SQL Server 2012/ 2014/ 2016, Microsoft Management Studio, Microsoft Visual Studio**,** Microsoft SQL Server.