RAHUL DIDIGUM

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# DATA ENGINEER | ETL & DATA WAREHOUSE SPECIALIST | HEALTHCARE ANALYTICS

**PROFESSIONAL SUMMARY**

Results-driven Data Engineer with 10+ years of hands-on experience designing, developing, and maintaining enterprise-grade data pipelines and BI solutions in healthcare and enterprise environments. Proficient in SQL Server, SSIS, SSRS, and Snowflake, with proven success optimizing data flow, building dimensional models, and supporting data governance. Adept at cross-functional collaboration, driving data reliability, and transforming business needs into scalable technical solutions.

# TECHNICAL SKILLS

**Data Integration & ETL:** SSIS, Informatica, Azure Data Factory, Data Migration, Incremental Load

**Database Technologies:** SQL Server (2012–2019), Snowflake, Oracle, PostgreSQL **Reporting & BI:** SSRS, Tableau, Power BI, Drill-down/Parameterized Reports, MDX **Programming & Scripting:** T-SQL, PL/SQL, VB Script, C#, Python (ETL scripting), Python

**Data Modeling & Warehousing:** Dimensional Modeling, Star Schema, OLAP Cubes, Erwin, Tabular Cubes

**DevOps & Version Control:** Team Foundation Server (TFS), Git, CI/CD for ETL Deployments

**Agile Practices:** Agile, Scrum, Kanban, Rally, SDLC, Sprint Planning

# PROFESSIONAL EXPERIENCE

## Optum Services – Ontario, CA

**ETL Developer *Jul 2020 – Present***

* Built and optimized end-to-end ETL pipelines using SSIS and Snowflake, streamlining data processing from staging to warehouse, improving pipeline efficiency by 30%.
* Led the design and development of healthcare data models using dimensional modeling and star schema, improving analytics accuracy and speed.
* Developed robust data quality and validation frameworks, detecting and resolving data anomalies during transformation processes.
* Automated daily data ingestion processes for large-scale datasets (CSV, Excel, Oracle) to SQL Server, reducing manual workload by 40%.
* Enhanced performance of legacy stored procedures and queries using SQL Profiler and indexing strategies, reducing execution time by up to 50%.
* Created complex SSRS reports (drill-down, matrix, parameterized) for cross-functional business users, significantly improving reporting capabilities.
* Configured and monitored SQL Agent Jobs and Alerts, proactively identifying ETL failures and ensuring timely issue resolution.
* Played a key role in migrating legacy data warehouse to Snowflake, improving scalability and query performance across analytics teams.
* Collaborated with business analysts and stakeholders to gather requirements and translate them into scalable data solutions.
* Utilized basic Python scripting for lightweight data parsing, Excel automation, and ad hoc transformation tasks during ETL workflows.

**Tech Stack:** SQL Server 2012/2014/2019, SSIS, SSRS, Snowflake, T-SQL, C#, VB.NET, Tableau, Erwin, Visual Studio, SharePoint, MDX, TFS, Python

## California Creative Solutions Inc. – Poway, CA

**ETL Developer *Mar 2017 – Jul 2020***

* Designed and implemented SSIS packages to automate extraction, transformation, and loading of healthcare data from diverse sources.
* Authored and maintained ETL mapping documents and source-to-target mappings to support data integration and transformation requirements.
* Utilized Conditional Split, Derived Column, and Fuzzy Lookup in SSIS to ensure data accuracy and support fuzzy matching scenarios.
* Optimized stored procedures and indexes to support analytics and application performance needs, reducing average load time by 35%.
* Automated report generation and delivery using SSRS and scheduled SQL Server Agent Jobs, reducing reporting cycle time.
* Actively participated in Agile sprints, contributing to planning, retrospectives, and daily scrums to ensure timely delivery of ETL modules.
* Maintained codebase and documentation using TFS, enabling streamlined collaboration across development teams.
* Coordinated with QA teams to support UAT and production deployments, ensuring stability and data accuracy.

**Tech Stack:** SQL Server 2012/2014, SSIS, SSRS, Tableau, TFS, MDX, Visual Studio, Erwin

## CVK Infrateck Pvt. Ltd. – Bangalore, India

**SQL ETL Developer *Feb 2013 – Jul 2015***

* Gathered requirements from business teams and designed normalized and denormalized schemas for data reporting needs.
* Developed complex stored procedures, views, and indexing strategies to improve query performance and data retrieval speed.
* Created SSIS packages to extract and transform operational data, loading it into pre-staging and staging environments.
* Implemented SSIS logging, event handlers, and error notifications to support debugging and issue tracking.
* Developed reusable ETL components and templates to accelerate future development efforts and maintain consistency.
* Used SQL Profiler and DTA to diagnose slow-running queries and applied performance tuning techniques to optimize throughput.
* Designed and deployed OLAP cubes and tabular models to support high-performance, ad-hoc analysis.

**Tech Stack:** SQL Server 2012, SSIS, SSRS, SSAS, MDX, TFS, Excel, Erwin

# EDUCATION

## Completed Coursework Toward M.S. in Computer Science

*University of Central Missouri*

## Bachelor’s in Computer Science & Engineering

*Jawaharlal Nehru Technological University (JNTU)*

## Advanced Azure Boot Camp Program – SQL/BI Focus

*CCS Global Tech*

# REFERENCES

Available upon request