

RUPESH PATEL

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PROFILE SUMMARY

- Microsoft-certified **Data Engineer** with **5 years of experience** designing and maintaining Medallion (Bronze-Silver-Gold) ETL data pipelines using Microsoft Fabric, Azure Data Factory, and IBM DataStage
- Worked on the ServiceOttawa data-mart project in Microsoft Fabric, using star-schema modeling, ETL development, and production scheduling to improve pipeline success to 99.2%
- Led enterprise **data governance initiatives** using data cataloging and metadata management to strengthen data integrity and compliance, eliminate silos, improve data discoverability, and accelerate insight-driven decision-making

SKILLS

Languages: Python, SQL, R, PySpark

Data Engineering: IBM Datastage, Microsoft Azure Data Factory, Azure Databricks, Microsoft Fabric

Databases: Microsoft SQL Server, PostgreSQL, Oracle, MySQL

Data Governance Tools: IBM Knowledge Catalog, Azure Purview, Unity Catalog

Data Visualization Tools: Microsoft PowerBI, Tableau

Tools: Azure DevOps, Git and Github, Jira, CI/CD

EXPERIENCE

Davies North America | *Data Engineer* | *Remote*

Oct 2025 – Jan 2026

Tech: Microsoft Fabric, SQL, Spark, Data Modeling, Data Quality, CI/CD, ETL

- Built and maintained T-SQL pipelines on SQL Server for various insurance data sources by creating views, stored procedures, and parameterized SSMS scripts, optimizing SQL queries, and automating nightly loads and report refreshes via SQL Server Agent, **reducing load time by 30%**
- Ingested data from 4 sources into a Microsoft Fabric Lakehouse and built transformation logic to deliver analytics-ready datasets for reporting and automated refreshes

City of Ottawa | *Intermediate Data Engineer* | *Ottawa, ON*

Sep 2021 – Mar 2025

Tech: Microsoft Fabric, Access Control, Data Management, ETL, Metadata

- Delivered an end-to-end Microsoft Fabric solution by architecting a Medallion workspace, building ETL pipelines and Power BI dashboards, and implementing Git-based version control with automated CI/CD, strengthening CISO oversight of information, cyber, and technology security
- Designed ETL jobs for creating a data-mart based on star-schema for Service Ottawa team and scheduled it for the production stage, and **cut daily refresh time by 45% while raising pipeline success to 99.2%**
- Collaborated with team members to design ETL jobs for 166 tables and loaded historical data for CSSD's Social Assistance Management System(SAMS) project
- Administered IBM Cloud Pak for Data platform, led multiple data migration projects, developed data catalogs for multiple departments, and promoted self-serve analytics and data governance through organization-wide seminars

Royal Canadian Mounted Police | *Data Engineer Intern* | *Ottawa, ON*

May 2021 – Aug 2021

Tech: Python, SQL, R, Data Storage, RDBMS

- Built a proof-of-concept data platform for RCMP's annual employee appraisal process by restructuring raw, Excel-driven datasets into a clean relational/star-schema model and defining a secure reporting workflow, improving data integrity, privacy, and readiness for KPI-based decision making
- Delivered 4 integrated reporting and analytics outputs** (system-generated employee profile document, yearly auto-generated appraisal report, executive visualization dashboard, and an OLAP cube connected to Excel pivots) to minimize manual effort and enable drill-down analysis for HR and leadership stakeholders

PROJECTS

Enterprise Data Warehouse with Medallion Architecture

Tech: SQL Server, T-SQL, ETL, Star Schema, Data Infrastructure

- Architected an enterprise Medallion (Bronze-Silver-Gold) data warehouse on SQL Server, integrating multi-source ERP/CRM data with end-to-end lineage and strong quality controls
- Developed advanced T-SQL ETL (BULK INSERT, deduplication via ROW_NUMBER(), complex business rules) and designed a star schema with SCD and referential integrity, **achieving 99.5% data accuracy** and sub-second analytics for 100K+ records

EDUCATION

Algonquin College

Jan 2021 – Dec 2021

Post-graduate Certificate, Business Intelligence Systems Infrastructure

Ottawa, Canada

Dharmsinh Desai University

Jun 2013 – May 2017

Bachelor of Technology (B.Tech.), Engineering

Nadiad, India