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## Education

- **Bachelor of Engineering in Information Technology**  
2015 – 2019
- **Post-Graduation in Information Technology Business Analysis**  
2020 – 2021

## Technical Skills

- **Programming:** Python, Java
- **Database:** SQL Server, MySQL
- **Big Data:** Apache Spark, Hadoop
- **ETL:** Talend, Apache NiFi
- **Cloud:** AWS, Azure
- **Data Warehousing:** Redshift, Google BigQuery
- **NoSQL:** MongoDB, Cassandra
- **Data Modeling:** ERD, Dimensional Modeling
- **Streaming:** Apache Kafka, AWS Kinesis
- **Orchestration:** Apache Airflow, AWS Step Functions
- **Containerization:** Docker, Kubernetes
- **Version Control:** Git, SVN
- **Security:** Data Encryption, Compliance
- **Scripting:** Shell, Bash
- **Automation:** Cron, Jenkins

## Certificates

- Azure Data Engineer Associate
- Applied Machine Learning Algorithm
- Python for Data Science and Machine Learning Bootcamp
- Data Visualization in Python for Machine Learning Engineer
- SAP Hanna Query Optimization
- The Business Strategy Game

# Parth Patel

Experienced Senior Data Engineer with a robust skill set in data integration, SQL, Spark, ETL framework development, and data analytics. Proficient in cloud and on-premises environments, adept at collaborating on technology patterns, and familiar with Databricks and various data storage solutions.

In addition to my core skills in data engineering, I have a knack for building robust ETL frameworks from the ground up, streamlining data processing workflows for improved efficiency and accuracy. I've also played a pivotal role in coauthoring a technology pattern for a major financial institution, an ongoing initiative that underscores my commitment to innovation and best practices in the field.

### 2022 – present

#### TD Bank | Solutions IT Designer | Toronto, CA

- Senior Data Engineer with expertise in Azure Data Engineering.
- Developed a data integration framework to streamline data processing and analysis.
- Proficient in SQL and PySpark for data manipulation and transformation.
- Familiar with Azure Synapse and Datadog for monitoring and optimization.
- Successfully built an ETL framework from scratch to enhance data workflows.
- Collaborated on the development of a technology pattern for TD Bank, serving as a coauthor.
- Ongoing involvement in the advancement and refinement of the technology pattern.
- Experienced in working with Databricks and Azure Data Lake Storage (ADLS) for data analytics and storage.

### 2021-2022

#### NextPathway Inc. | Software Developer | Toronto, CA

- Played a role in Solution and Developing Technologies for Cloud Migration Automation according to the SHIFT™ Product Roadmap.
- Implemented code generated by SHIFT™ on various client projects.
- Continuously learned and researched new technologies relevant to the SHIFT™ Roadmap.
- Investigated performance-related issues on conversion projects, made recommendations, and implemented solutions.
- Collaborated closely with Python and Java to create automation scripts and develop APIs (Proficient in OpenAPI, YAML, XML, and Connexion).
- Worked with different business analytics tools such as Tableau and PowerBI.
- Identified and documented syntax differences between various SQL dialects.
- Converted or rewrote ETL/ELT processes to different target technologies, such as transitioning from DataStage to PySpark, using both manual methods and available tools.
- Conducted performance, unit, and functional tests on ETL/ELT pipelines.
- Performed tasks assigned by Project Team leads on assigned projects.
- Provided other duties related to ETL and SQL development.