PARTH

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OBJECTIVE

Results-driven **Senior Data Engineer** with proven expertise in **ETL/ELT frameworks, data integration, and analytics** across **cloud and on-premises platforms**. Skilled in **Azure, Databricks, Synapse, and Power BI** with strong proficiency in **SQL, PySpark, and Python**. Adept at designing scalable data pipelines, optimizing transformations for performance and cost, and enabling **trusted, governed data solutions**. Collaborative team player committed to automation, metadata-driven design, and delivering business-ready insights.

EXPERIENCE

TD Bank – IT Data Specialist (Senior Data Engineer)
Toronto, Jan 2022 – Present

- Designed and implemented a metadata-driven **Azure Data Integration Framework** streamlining ingestion, processing, and decision-making workflows.
- Built scalable **ETL pipelines** in **Databricks & PySpark**, integrating **ADLS → Synapse** with performance tuning and cost optimization.
- Developed **Power BI dashboards** with advanced DAX and Power Query, integrating multiple enterprise data sources.
- Implemented **data quality, lineage, and governance controls** for trusted insights and compliance.
- Partnered with architecture teams to define **technology patterns** for data ingestion, transformation, and monitoring.
- Leveraged **Datadog** and native Azure monitoring to ensure reliability, SLA adherence, and system optimization.

Next Pathway Inc. – Software Developer (Data Engineer)
Toronto, Jul 2021 – Jan 2022

- Delivered **cloud migration and ETL modernization** as part of the **SHIFT™ Roadmap**, ensuring seamless client adoption.
- Converted **ETL/ELT pipelines** (DataStage → PySpark) using automated code generation tools and manual optimization.
- Developed **automation scripts & APIs** in **Python & Java**, using OpenAPI, YAML, XML, and Connexion.
- Conducted **performance tuning, unit, and functional testing** to ensure pipeline reliability.
- Collaborated with analytics teams to deliver insights using **Tableau & Power BI**.

Earthbound AI – Data Platform & API Developer
Remote, Jan 2020 – Jul 2021

- Built a **geospatial imagery API** (Fast API + PostGIS + Rasterio/GDAL) supporting **STAC-compliant search, XYZ tiles, and on-demand image processing**.
- Designed and managed an **AWS S3 data lake** with encryption (KMS), VPC endpoints, and IAM least-privilege policies.
- Automated ingestion of **Sentinel/Landsat data** with **Airflow (MWAA)**, event-driven pipelines (S3 → SNS/SQS), and retry mechanisms.
- Implemented **COG preparation & QA** (thumbnails, overviews, footprints) with ECS/Lambda jobs before STAC publishing.
- Tuned **CloudFront caching & S3 delivery** to reduce latency and egress costs.
- Maintained **Terraform IaC** for S3, IAM, MWAA, and API Gateway with GitHub Actions CI/CD.

EDUCATION

- B.E. Information Technology – Gujarat Technological University, India
- Postgraduate Certificate, IT Business Analysis – Conestoga College, Kitchener, Canada

CORE SKILLS

- **Programming & Scripting:** Python, Java, SQL, Shell, Bash
- **Big Data & Analytics:** Apache Spark, Hadoop, PySpark, Databricks, Power BI (DAX, Power Query), Snowflake
- **ETL/ELT Tools:** Talend, Apache NiFi, ADF, custom frameworks
- **Cloud Platforms:** Azure (Synapse, ADLS, Databricks), AWS (S3, Kinesis, Lambda, MWAA)
- **Streaming & Orchestration:** Apache Kafka, Airflow, AWS Step Functions
- **Data Modeling:** ERD, Dimensional Modeling, Metadata-driven Design
- **DevOps & Automation:** Docker, Kubernetes, Terraform, Git, Jenkins, CI/CD