Carter Chene

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Technical Skills

Languages: Python, SQL, Typescript, HTML, CSS, git
Data Engineering: Databricks, Spark, ADF, Dagster, dbt, Azure, AWS, GCP
Web Apps: Django, FastAPI, HTMX, Streamlit, Docker, Hosting, Linux
Analytics: PowerBI, Tableau, Excel (Pivot tables, PowerQuery, DAX)

Professional Work History

Data Engineer

September 2022 – Present | Dakota Analytics, Calgary, AB
- Created PySpark data pipelines to ingest data from third-party APIs, application databases, and websites.
- Reduced tech debt of ~24000 lines of Python for big data, near real-time pipeline, while improving pipeline time by ~20%. Tech stack: dbt, Databricks, delta live tables, Python.
- Team lead for RnD team to create new data products using Django, HTMX, Streamlit, Postgres, Dagster. Sold these projects to 4+ clients.
- Reduced tech debt and improved pipeline speed by ~25% by migrating a client to dbt from delta live tables in Databricks.
- Integrated data from a wide variety of data sources (Master Data). Heavy use of dynamic SQL to automate most of the process.
- Clients include: Ovintiv, Teine, Hammerhead Resources, Gortons Seafood, Tamarack Valley Energy, Strathcona Resources.

Data Analytics Developer Intern

May 2022 – August 2022 | Dakota Analytics, Calgary, AB
- Developed and maintained data pipelines in Synapse Analytics (Microsoft Fabric).
- Wrote, updated, and reviewed T-SQL code to ensure accuracy and efficiency.
- Built OLAP cubes to support advanced data analysis needs.
- Created PowerBI Reports for clients, integrating with PowerApps and Power Automate.
- Led the transition to dbt, streamlining the data transformation process.

Projects

[Streaming on AWS](#)

- A data pipeline with Kafka, Amazon EMR, Flink, dbt, Docker, Dagster, Terraform, AWS, and Metabase.
- This project streams events generated from a fake music streaming service and creates a data pipeline that processes real-time data.

Education

- **Master of Management** | University of Calgary, Haskayne
- **Bachelor of Honours Physics** 2017 – 2020 | University of British Columbia, Vancouver
- Relevant Coursework: Computational physics, business analytics, probability, partial differential equations