Filip Livancic

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Github | Website | LinkedIn

Skills

Google Cloud Platform	BigQuery, Google Cloud Storage (GCS), Compute Engine, Cloud Run Functions, Pub/Sub
Data Transformation	SQL (dbt Core, BigQuery), Python (pandas, matplotlib, Plotly, Dash), Tableau
DevOps Tools	Docker, Git (Github, Gitlab), Terraform (IaC), Linux, CLI/Shell(bash), virtualenv(uv), vim

Work Experience

Fifty Five - Senior Data Engineer **Sep 2024 - Mar 2025**

- Built Python API ingestion pipeline for illness-related Google search trends and weather data history into GCS with subsquent loading into BigQuery; this supported a ML model predicting ideal marketing campaign timeframes for pharmaceutical client.
- Implemented an ELT process with Python into a GCP data warehouse (Cloud Logging/Monitoring included), modelled BigQuery data with dbt to analyse hospitality loyalty figures, tracking booking-to-stay conversion rates across hotel locations.
- Audited client's BigQuery project with 300+ tables, recommending cleanup of abandoned pipelines, reducing table count by 75% and improving capacity for maintenance.
- Patched GA4 pipeline to filter events into Log Sink and utilised Pub/Sub messaging to create triggers for timely pipeline executions; performed backfills to fix data quality for periods with missing web-traffic attributions.
- Resolved dbt DAG failures caused by unexpected data source changes, troubleshooting SQL, communicating resolutions to clients and restoring sales analytics in Looker.
- Revised GitLab repositories by incorporating a CI/CD Terraform (IaC) workflow which updates GCP infrastructure and pipelines.

Sky - Data Visualisation Engineer **Dec 2022 - Sep 2024**

- Developed BigQuery data models for numerous projects to enable the visualiation team to produce analytics on: customers, product holdings, technology types, subscription flows, order flows and contract data.
- Monitored aggregated view of customers with broadband speed issues in Tableau, measured the percentage of customers churning in response to inconviniences in different timeframes.
- Analysed broadband discount strategies in Tableau and was successfully able to measure the effectiveness of offers contributing to subscription acquisitions and churn reduction.
- Migrated SQL transformation scripts from dedicated servers to the GCP BigQuery data warehouse, implementing SQL best practices for readability, and performing regression tests to assure high data quality.
- Supported the implementation of common staging pipelines to optimise data processing volumes, resulting in a significant reduction of duplicate processing costs and creating a single source of truth.
- Prioritised and triaged ad-hoc requests from stakeholders, created gcloud bash scripts (bq, gsutil) to export data into GCS buckets to stay agile whilst handling larger projects.

easyJet - Safety Data Analyst **Nov 2021 - Nov 2022**

- Collaborated with safety experts to develop Tableau dashboards tracking incident statistics across Flight, Engineering, Cabin, and Ground Operations, improving visibility of safety risks.
- Automated manual reports with Python (pandas, matplotlib, xlsxwriter) by creating burst-reporting pipelines and saving 30 man-hours per month.

TUI Airways - Engineering Safety Analyst **Aug 2018 - Sep 2021**

- Creating Python scripts (pandas, matplotlib) for analysing trending safety incidents across Engineering & Maintenance (E&M).
- Chaired the monthly Engineering Safety Action Group (ESAG), presenting safety trend analyses and ensuring senior management addressed risks to airworthiness and operational readiness.

Projects

Chess Data Pipeline | `https://github.com/Filpill/chess_analysis` **Mar 2025 – Present**

- Ingested chess.com API data with Python (requests, logging), storing raw JSON responses in GCS Cloud Storage bucket.
- Loaded data incrementally into BigQuery; modelled and tested data in dbt; orchestrated transform job with Airflow.
- Created interactive visualisations in Plotly Dash hosted on Cloud Run: analysed player performance and opening win-rates.
- Containerised pipeline scripts and Cloud Run Services into Docker Images and pushed into Artifact Registry for production use.
- Produced Cloud Run Services which utilise Pub/Sub messages for triggering Compute Engines with automatic VM teardown.
- Integrated GitHub Actions and Terraform for managing infrastructure (Buckets, Schedulers, Cloud Run, Sinks, Triggers, etc).

Education

City, University of London | Aeronautical Engineering (MEng) | Grade: First Class Honours **Oct 2014 - Jul 2018**

St Gregory's RC Science College | A Level's: Physics (A), Maths (B), Further Maths (B) **Sep 2007 – Jul 2014**