

Filip Livancic

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 Github |  Website |  LinkedIn

Skills

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

Work Experience

Fifty Five - Senior Data Engineer

Sep 2024 - Mar 2025

- Built Python API ingestion pipeline for search trends (illness-related) and weather data into GCS and subsequent loading into BigQuery which supported an ML model optimising timing for pharmaceutical marketing campaigns.
- Implemented an ELT process with Python and dbt, modelled data in BigQuery to analyse hospitality loyalty data, tracking booking-to-stay conversion rates across hotel locations.
- Audited clients' BigQuery project with 300+ tables using INFORMATION_SCHEMA, recommending cleanup of abandoned pipelines, reducing object count by 75% and improving capacity for maintenance.
- Patched GA4 pipeline to use event-driven (Pub/Sub) behavior to handle late-arriving data from Salesforce, preventing loss of web-traffic channel attribution data in downstream tables.
- Resolved dbt DAG failures caused by unexpected data source changes, troubleshooting SQL, communicating resolutions to clients and restoring sales analytics in Looker.
- Updated older GitLab repositories to incorporate CI/CD process to update GCP infrastructure/pipeline scripts with Terraform.

Sky - Data Visualisation Engineer

Dec 2022 - Sep 2024

- Developed BigQuery data models within the semantic and presentation layers for a variety of projects to enable the visualiation team to produce analytics on: customers, product holdings, 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 inconveniences 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 on-prem servers to GCP BigQuery, complying with revised subscription and order data models, performing regression tests to ensure consistent data quality.
- Mentored the data viz team on BigQuery SQL best practices and implemented shared staging pipelines to improve efficiency of visualisation workflows using shared metrics.
- Prioritised ad-hoc requests for stakeholders, leveraged the gcloud CLI (bq, gsutil) to export data into GCS and maintaining agility.

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 to save 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 (google.cloud, requests, logging), storing raw JSON 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.
- 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