Filip Livancic

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Skills

GCP Cloud	Artifact Registry, BigQuery, Google Cloud Storage (GCS), Compute Engine, Cloud Scheduler, Cloud Run(Services/Functions), Pub/Sub, gcloud CLI (bq, gsutil), Log Router
Data Engineering	SQL, Python, Tableau, dbt, Git, Docker, Terraform, Jupyter, Linux(Arch, Debian), Shell(bash), Plotly Dash

Work Experience

Fifty Five - Senior Data Engineer   Sept 2024 - Mar 2025

- Built a Python pipeline to ingest API data from Google search trends (illness-related) and weather data into BigQuery, supporting an ML model that optimised timing for pharmaceutical marketing campaigns.
- Audited a BigQuery project with 300+ tables using INFORMATION_SCHEMA, recommending cleanup of abandoned pipelines and reducing object count by 75%.
- Redesigned pipeline architecture from scheduled to event-driven (Pub/Sub) to handle late-arriving batch updates from Salesforce and GA4, preventing downstream data loss.
- Resolved dbt pipeline failures caused by unexpected data source changes, communicating fixes to clients and restoring downstream sales analytics.
- Devised an ETL process and modelled data in BigQuery to analyse hospitality loyalty data, tracking booking-to-stay conversion rates across hotel locations.

Sky - Data Visualisation Engineer   Dec 2022 - Sept 2024

- Developed a BigQuery–Tableau pipeline to monitor compensation journeys for broadband customers with speed issues, uncovering insights into customer behavior.
- Analyzed broadband discount strategies to measure their impact on subscription acquisition and churn, assessing the effectiveness of new offers.
- Collaborated with stakeholders to align data initiatives with business workflows, balancing customer experience and profitability goals.
- Migrated SQL transformation logic from on-prem servers to GCP BigQuery, performing regression tests to ensure consistent data quality.
- Mentored the data viz team on BigQuery SQL best practices and implemented shared staging pipelines to standardise and streamline multiple visualisation workflows.

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 Excel-based reporting with Python (pandas, matplotlib, xlsxwriter) to save 30 man-hours per month through burst-reporting pipeline solutions.

TUI Airways - Engineering Safety Analyst   Aug 2018 - Sept 2021

- Creating monitoring systems for safety occurrences and trending 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

End-to-End Chess Data Pipeline: https://github.com/Filpill/chess_analysis   Mar 2025 – Present

- Built an end-to-end analytics pipeline with monthly scheduled API ingestions into GCS bucket storage, data modeling in BigQuery, and interactive visualisations in Plotly Dash hosted as Cloud Run Application.
- Packaged Cloud Run Services into Docker Images which leverage Pub/Sub triggers to launch Compute Engine (VM) instances to execute containerised workloads with automatic VM teardown upon completion.
- Integrated GitHub Actions and Terraform to automate infrastructure updates (Buckets, Schedulers, Cloud Run Services, Sinks, Triggers, etc.) on pull request merges.

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**