MATTHEW HENDERSON

PROFILE

Data engineer with experience in building and maintaining business reporting pipelines for highly reputable clients. Proven ability to pick up cutting edge frameworks and use them to design and implement high quality solutions. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team.

EXPERIENCE

Jetty Technologies — Remote, UK
DATA ENGINEER Jun 2023 - Present

- Built a serverless python application for ingesting data from multiple sources into BigQuery using batch and streaming methods. The application is deployed as a cloud run service with CI/CD which costs under £1 per month to run in production and built in Discord monitoring.
- Created a DBT pipeline for turning raw data sources into useful business oriented data models using well documented and tested SQL logic. The DBT pipeline is wrapped in a Flask application which is deployed as a cloud run service with CI/CD and useful logging/monitoring.
- Designed Looker dashboards for internal and external use. Internally dashboards were used to monitor data pipelines and externally they were used for client reporting.

Python   DBT   Bigquery   Cloud Run   Looker Studio

Forecast Data Services — Edinburgh, UK
DATA ANALYST Feb 2021 - Nov 2022

- Redesigned data pipeline for large telecommunication's company, using DBT to create a modern, scalable and well-documented solution which was setup with CI/CD and deployed to GCP. This saved the client a week of manual work every month to refresh reporting models.
- Identified opportunity to automate the client's internal processes to analyse marketing campaigns, working closely with stakeholders to understand business requirements and deliver a self-serve dashboard which gave them quick, actionable insights.
- Managed a project to create a cloud cost control python app, deployed to AWS, which automatically ingested client spending data and displayed insights on a dash application.

GCP   AWS   Bigquery   DBT   Python   Cloud Run   Docker   Looker Studio   Tableau   Dash

St. James's Place Wealth Management — Edinburgh, UK
SUMMER INTERN Jul 2018 - Aug 2018

- Scotland's first intern working within Field Management team for FTSE 100 company.
- Gathered data on the use of internal technology, presented the results to the Head of Business and offered training which increased efficiency of operations within the company.
- Organised a sports charity fundraiser which raised over £18,000 for the SJP Foundation.

EDUCATION

BSc Hons Mathematics (First Class)
University of Strathclyde
Sep 2015 - Jun 2019

Dissertation on Statistical Analysis of Financial Data using R. Relevant subjects included: graph theory, statistical regression and inference, medical statistics and applicable analysis.

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SKILLS

Programming:
Python, SQL, R, Bash, HTML (including Jinja), SCSS

Frameworks:
DBT, Hugo, Dash

Developer Tools:
Git, GCP, AWS, Docker

CERTIFICATIONS

Google Machine Learning Engineer

TRAVEL

South East Asia (Nov 2022 to May 2023): Developed my skills in dev ops and web development. Volunteered with a stray dog N.G.O and school for underprivileged children.

Australia (Nov 2019 to Dec 2020): Developed my skills in data science and machine learning. A variety of work experiences helped to build my character and social skills.

INTERESTS

Hiking   Reading
Diving   Football
Cooking   Tennis

PROJECTS

GCP Ingestion Template Repository
Apr 2023 - Present

🌐 www.github.com/matthh9797/gcp-ingest-template

- Created a public template repository for automated batch data ingestion into GCP.
- Used repeatable python code and setup CI/CD with Flask, Docker and Cloud Run.

Junia Sumatra Treks Website
Feb 2023 - Mar 2023

🌐 www.juniasumatratreks.com

- Built a website for a guest house offering tours and trekking in the Sumatran jungle.
- Website has fully integrated CMS, a booking form and SwiperJS slides on all main pages.