

Matthew Henderson

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SUMMARY

Accomplished Data Engineer with extensive experience in building self-service BI cultures and implementing innovative data solutions. Proficient in developing robust dbt pipelines, creating insightful visualizations in Looker, and applying advanced data modeling techniques. Demonstrated ability to enhance decision-making and drive business outcomes through efficient data architectures. Seeking an Analytics Engineer position to leverage expertise in dbt, Looker, and data modeling to deliver data-driven insights and operational efficiency.

WORK EXPERIENCE

Jetty Technologies

Jul. 2023 – Present

Senior Data Engineer

Remote, UK

- Responsible for developing and implementing a comprehensive analytics pipeline for a 50-person company encompassing tool selection, solution architecture, and deployment.
 - Administer and maintain key data systems, including GCP, dbt Cloud, and Looker.
 - Design scalable data pipelines using dbt, ensuring high-quality, tested, and documented data models.
 - Maintain and optimize automated serverless data infrastructure, using Terraform.
- Collaborate with stakeholders to design intuitive data models and Explores in Looker, facilitating downstream analytics and empowering teams to derive actionable insights from data.
- Managed cloud infrastructure in GCP using DevOps best practices with CI/CD pipelines (Cloud Build), ensuring a cost-effective, scalable architecture. Leveraged serverless technologies (e.g., Cloud Run, Pub/Sub) and implemented IaC with Terraform to automate deployments and optimize resource utilization.
- Developed custom Python ETL applications using batch and streaming processes to ingest data from five key sources, resulting in significant cost savings and a highly reliable, automated data pipeline.

Forecast Data Services

Feb. 2021 – Nov. 2022

Data Analyst

Edinburgh, UK

- Collaborated with cross-functional stakeholders from one of the UK's largest telecommunications companies to design and deliver custom analytics solutions, significantly enhancing data-driven decision-making.
 - Managed client expectations effectively by defining project scopes and establishing clear timelines.
 - Designed and implemented self-service Tableau dashboards, accelerating decision-making processes.
 - Presented advanced statistical analyses on product performance to senior leadership, driving data-informed strategic decisions that directly impacted revenue growth and operational efficiency.
- Led the end-to-end migration from Sybase to BigQuery, architecting a scalable, robust, and well-documented data pipeline using dbt, which improved data reliability and significantly reduced processing time.
- Developed an automated marketing campaign dashboard, reducing a week-long manual data refresh process to zero, boosting team productivity and enabling faster, data-driven campaign optimizations.
- Recognized for outstanding performance with consecutive End-of-Year Awards (2021 & 2022).

St. James' Place Wealth Management

Jul. 2018 – Aug. 2018

Field Management Team Summer Intern

Edinburgh, UK

- Scotland's first intern working within the Field Management team for a FTSE 100 company.
- Gather 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

University of Strathclyde

1st Class BSc Honors Mathematics

June, 2019

Glasgow, UK

- Stochastics and Econometrics: 93%, Mathematical Introduction to Networks: 73%, Financial Derivatives: 80%, Applicable Analysis 2: 97%, Medical Statistics: 70%, Finite Element Methods: 80%
- Dissertation on Statistical Analysis of Financial Data;- study of statistical distributions and correlations of stocks and FOREX exchange historical data in R, using ggplot2

SKILLS

Programming: Python, SQL (OLAP and OLTP), R, Bash, HTML, SCSS

Frameworks: Terraform, Flask, Hugo

Developer Tools: dbt (certified dbt Developer), GCP (certified GCP Machine Learning Engineer), Looker, git, Docker, Cloud Run, Cloud Build, Pub/Sub

PROJECTS

Bigquery ETL Tools

Dec. 2024 – Present

github.com/Mattanalytix/bigquery-etl-tools

- A python package with tools for ingesting data into BigQuery, using polars.

Junia Sumatra Treks Website

Feb. 2023 – Apr. 2023

www.juniasumatratreks.com

- Built a website for a guest house offering tours and trekking in the Sumatran jungle, increased booking rate by 30%.
- The website has a fully integrated CMS, a booking form and SwiperJS slides on all main pages.

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.