

TOM M. DOBSON

EXPERIENCE

Analytics Consultant

The Information Lab (TIL)

Apr 2022 – Present

London

- Worked as a consultant at a leading data analytics firm, specialising in SQL, Tableau, Python, Power BI, and Alteryx
- Consulted for two and a half years with major clients such as Inmarsat, IAG Cargo, and the BBC, as detailed below
- Designed and implemented automations using Python, SQL, and GitHub Actions to detect online User Group events and post alerts to an internal network
- Automated a process to detect new client opportunities in Notion and generate supporting documentation, directly saving **0.25 FTE** and eliminating human error

SQL

Snowflake

Tableau

Python

Git

Alteryx

Power BI

Insight Analyst

Consultant via TIL

Inmarsat

Jan 2024 – Present

London

- Designed and implemented a revenue protection system using SQL and Tableau to flag contracts nearing their end-of-commitment date, exposing **£2.9m** in annualised revenue at risk by April 2024
- Created SQL queries to consolidate and standardise product performance data from over ten tables into a single source of truth. Designed a Tableau interface to alert the business to performance changes and source table issues, resulting in significant time savings
- Developed SQL code to migrate ETL pipelines from Alteryx to GCP, including complex workflows with iteration and scaffolding, enhancing data delivery reliability and performance
- Version-controlled code using Git to ensure robust collaboration, code management, and change tracking
- Used Confluence to produce wikis and technical documentation, simplifying hand-over of assets, future development, and troubleshooting

SQL

GCP

Tableau

dbt

Git

Alteryx

ADF

Advanced Analytics & Reporting Analyst

Consultant via TIL

IAG Cargo

Feb 2023 – Aug 2023

London

- Developed and productionised SQL procedures and a Tableau front end to intelligently distribute warehouse tasks based on resource availability and task complexity, directly saving **1 FTE** and enabling a headcount reduction
- Designed and deployed an automated system using SQL to expose **£98k** in incorrectly declared cargo in 2023, enabling the recuperation of lost revenue via automated incident reporting through BusinessObjects
- Performed a full audit of an undocumented database to evaluate its potential for operational performance monitoring and presented findings to senior stakeholders
- Re-engineered an Oracle database schema to eliminate errors when calculating business-critical flight performance metrics, tested changes in parallel, and oversaw migration to the new design

SQL

Oracle 11g

Tableau

BusinessObjects

Tableau & Alteryx Consultant

Consultant via TIL

British Broadcasting Corporation (BBC)

Jul 2022 – Jan 2023

London

- Designed and implemented data pipelines in Alteryx to clean and combine over six million rows of survey data. Created an accompanying Tableau front end to consolidate this information into a single source of truth
- Automated the production and delivery of daily reports on high-performing news stories for senior stakeholders using Alteryx

SQL

Redshift

Tableau

Alteryx

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SKILLS

Tableau

SQL

Alteryx

Python

dbt

Power BI

Databases

BigQuery

Snowflake

PostgreSQL

Oracle 11g

MS SQL Server

Management

GitHub

Jira

Notion

Confluence

Data Engineering

SQL

Python

dbt

Git

PowerShell

YAML

Data Science

Jupyter

NumPy

pandas

CERTIFICATIONS

dbt Fundamentals

Jun 2024

Alteryx Designer Advanced

Mar 2024

Power BI Data Analyst Associate

Oct 2023

Tableau Certified Data Analyst

Aug 2023

EDUCATION

MSc (R) Biological Sciences

University of Bristol

Sep 2016 – Aug 2021

First Class · BSc

Nominee · Best PhD/MSc Thesis¹

Python

R

SPSS

LaTeX

¹T. M. Dobson, Master’s thesis, University of Bristol, 2022, (<https://bit.ly/td-thesis>).