# Christopher Little - Data Consultant

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## Education

**University of Warwick**
BSc Mathematics
First Class Honours
Sep 2014 - Jun 2018

## Skills

### Programming Languages

- Python ★★★★★
- SQL ★★★★
- Typescript ★★★★

### Data Tools

- DBT ★★★★
- Apache Spark ★★★★

### Cloud Technologies

- AWS Lambda ★★★★★
- Terraform ★★★★★
- AWS Glue ★★★★
- AWS Redshift ★★★★

### Containerisation

- Docker ★★★★

### Database Systems

- PostgreSQL ★★★★★
- MySQL ★★★★★
- Snowflake ★★★★

### Data Visualisation

- Streamlit ★★★★★
- Looker ★★★★
- Power BI ★★★★
- Tableau ★★★★

### DevOps

- GitHub Actions ★★★★

## Experience

### Data Consultant at SpeedSheet

Oxford, UK | Jan 2024 - Jan 2025

Started my own consultancy business, providing software development and data consulting services to clients.

**Compliance Tool for Mortgage Broker**: Built a tool which lets mortgage brokers extract data from PDFs such as bank statements and payslips, helping them to automate their compliance process.

**EBay Store Management System**: Built a custom ERP system for an e-commerce business, allowing them to manage their inventory, orders, and sales and connect to eBay

### Senior Data Consultant at ICS Consulting

Warwick, UK | Sep 2023 - Feb 2024

**Excel Migration**: Migrated a large and complex Excel process that used VBA to generate reports. I migrated this process to use a MySQL database and a pipeline powered by Apache Airflow, Python and SQL. The project saved approximately 100 FTE hours per month.

### Data Engineer at Sonnedix

London, UK | Sep 2022 - Sep 2023

**Financial Analysis Web Application**: Developed a large-scale application using Typescript and React. This application integrated weather data, energy prices, and site-specific data to calculate expected solar site revenues.

**Data Pipelining**: Utilised Apache Spark to build and maintain data pipelines for collecting and processing time series power data.

**Machine Learning**: Led a project that forecasted long-term irradiation trends across solar sites in Japan, achieving a 0.4% annual increase in revenue forecasts. Additionally, built a solar panel detection model using YoloV5 image recognition.

### Data Engineer at Cazoo

London, UK | Jun 2019 - Sep 2022

**Backend Development**: Transitioned from Google Sheets to a more efficient backend system for Cazoo's car purchasing process, achieving significant speed improvements, using AWS Lambda, DynamoDB, Docker, and AppSync.

**Data Modeling**: Modeled data into Redshift using SQL and DBT. Utilised Looker for data visualisation.