Christopher Little

Data Consultant

Contact

Phone: 07957610802
Email: chris@speedsheet.co.uk
GitHub: https://github.com/chrismlittle123

Education

2014-2018
Mathematics - BSc with Year Abroad
First Class Honours
University of Warwick

Technologies

Languages

Python - 5/5
SQL - 4/5

Data Transformation

Apache Airflow - 5/5
DBT - 5/5
Apache Spark - 4/5

Cloud

AWS Lambda - 5/5
AWS DynamoDB - 4/5
Terraform - 4/5

Container Services

Docker - 4/5
Kubernetes - 3/5

Databases

Snowflake - 5/5
PostgreSQL - 5/5
MySQL - 5/5

Visualisation Tools

Streamlit - 5/5
Looker - 4/5
Power BI - 4/5
Tableau - 4/5

CI/CD

GitHub Actions - 4/5

Experience

Feb 2024 - Current

SpeedSheet | Oxford, UK

Co-Founder and Chief Technology Officer

- **Who we are:** At SpeedSheet, our aim is to make automating Excel processes fast and simple. We help businesses upgrade their Excel workflows and work on a project by project basis. Our secret sauce is a software tool that automatically turns Excel spreadsheets into a super fast data pipeline and/or web application.

Sep 2023 - Feb 2024

ICS Consulting | Warwick, UK

Senior Data Consultant - Engineering Forecasting Models

- **Excel Migration:** Migrated a large and complex **Excel** process. The existing process generated over 100 infrastructure asset forecasting reports for Ofgem using **Excel** and VBA. 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 Cleaning Automation:** Developed an internal software tool that extracts and cleans highly unstructured data from **Excel** spreadsheets using **AI.** Implemented the tool to save approximately 20 FTE hours per month for the business.

Sep 2022 - Sep 2023

Sonnedix | London, UK

Data Engineer - AI Implementation Team

- **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. Backend was constructed using **NestJS** , using the **Jest** testing framework and containerised using **Docker**, with deployment managed through **Kubernetes**.
- **Data Pipelining**: Utilised **Apache Spark** within **Palantir Foundry** to build and maintain data pipelines, ensuring scalability and performance. Developed both cross-sectional and time series datasets from weather and operational data providers.
- **Real-time Dashboards**: Implemented **Apache Kafka** for data streaming, integrating with Foundry to build a real-time Operational Statistics dashboard.
- **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 which was integrated into a Solar Site Prospecting tool.

Jun 2019 - Sep 2022

Cazoo | London, UK

Data Engineer - Purchasing Team

- **Data Management**: Managed data primarily from Autotrader and Cazana. Automated the calculation of car prices, overcoming challenges with configuration files. Developed a **Streamlit** app for configuration management, allowing users to make updates without breaking the application.
- **Backend Development**: Transitioned from Google Sheets to a more efficient backend system for the Purchasing process, achieving significant speed improvements, using **AWS Lambda**, **DynamoDB**, **Docker**, and **AppSync**. Implemented a **MySQL** database connected to a Google Sheet via Google AppScript, serving as a real-time lookup table for the Purchasing team.
- **Data Modeling:** Modeled data into **Redshift** using **SQL** and **DBT**. Utilised **Looker** for data visualisation.