

Oliver Johnson, Data Scientist, Engineer & Consultant

Overview

People-orientated, problem solver looking to gain more experience in client-facing technical roles.

3.5 years commercial experience: 2 years engineering data in Utilities, 1.5 years consulting AI in Law.

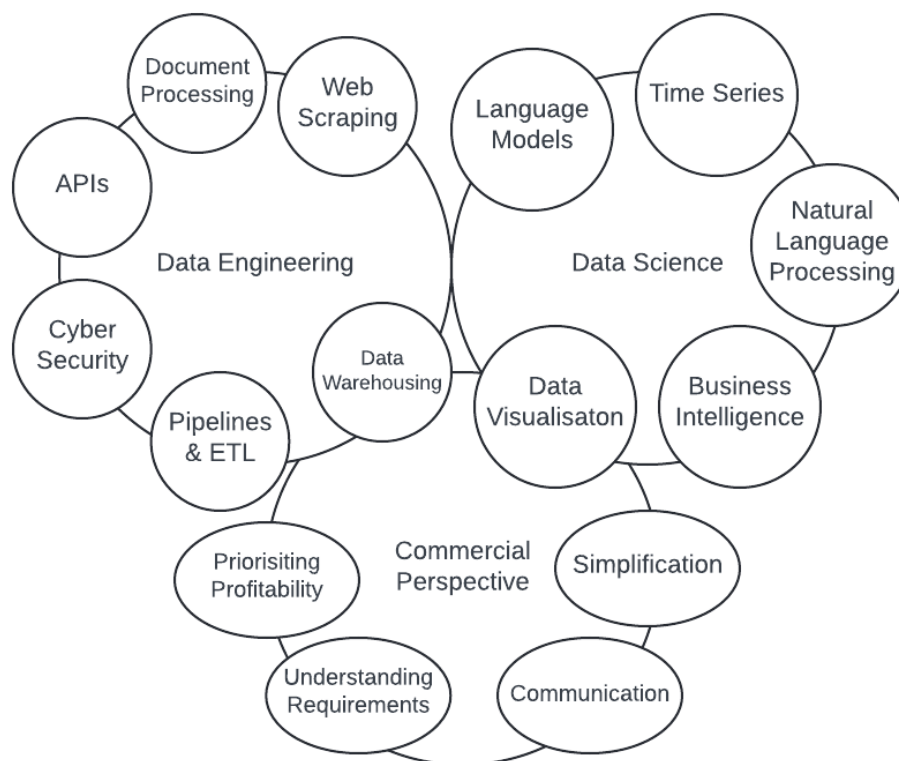
I have quenched my thirst for technical understanding, and now wish to hone my skills **working with people, clients and stakeholders**. I have always worked at start-ups where communication is essential, and Data Science / Engineering is my foundation, but I plan to expand formally into a solution/sales engineer/architect job route.

I do enjoy coding, but my heart truly lies with people, building relationships and making real impact at a business.

Conversational Japanese (2 years of tutor-led study at UCL).

Portfolio of Skills

I've constructed the beneath visualisation for representing the three wings of my skillset, all based on commercial experience. All the beneath are in the context of **Utilities** (2 years) and **Law** (1.5 years).



Technologies

Languages: Python, SQL, PySpark

Databases: Snowflake, Databricks, Microsoft SQL Server, MySQL

Cloud: Azure, AWS

Analytics: Power BI, Looker

AI: OpenAI Studio, Langchain, Langsmith, MapReduce, RAG, HuggingFace, Sentence Transformers

Document Processing & NLP: Azure Document Intelligence Studio, RegEx, python-docx, PyMuPDF, ocrmypdf

Web Scraping: Selenium, HTTPs, RESTful APIs, Postman, BeautifulSoup

Direct Experience

Data Engineer, Simmons & Simmons LLP, Simmons Wavelength, Feb 2023 – Present

- Designed and implemented a solution architecture for Data Engineering at Simmons Wavelength using **Azure Databricks** as a core system for warehousing, data lake, pipelines and modelling.
- Consulted with and delivered to lawyers on dozens of use cases, from data extraction for due diligence, regulatory review to data visualisations and analysis for defence and litigation.
- Built 30+ pre-sales POCs for business development matters, collaborating with lawyers across the firm to build bespoke solutions for our clients' needs.
- Consulted with clients directly on data & technical problems they were facing in their legal team, defining their problems in real terms and finding the most practical solutions.
- Developed a network of relationships and friendships with associates across the firm that created opportunities for work bypassing the usual Partner-led sales pipeline.
- Built a fully automated horizon scanning pipeline that web scrapes from 15+ online website resources, from the UK's Financial Conduct Authority's handbook to Japanese government legislation.
- Supported the **LLM & Generative AI** initiative to roll out adoption of language models across the entire firm, through presentations, networking, demonstrations, and dashboards for analysing usage.
- Gave presentations to and had conversations with 10+ partners across the LLP on Wavelength's capabilities and offering. Including a trip to **Tokyo & Shanghai** to showcase language models for the first time.

Digital Data Engineer, Bauer Media Group, Data & Analytics Team, Oct 2022 – Jan 2023

- During my short stint at Bauer, I was exposed to several technologies like AWS Redshift, Google BigQuery and Looker, but their use case was solely business intelligence for reporting upon advertisement revenue.
- Ultimately, I found that there was little room for innovation, collaboration or career progression at Bauer and left for more stimulating work. It taught me a lot about the kind of employer I wish to work for.

Associate Data Engineer, Amber, Digital Enablement, Sep 2021 – Oct 2022

- Transformed an incomplete, unused Snowflake warehouse for energy consumption data (half-hourly, kWh) into a fully functioning, business-dependent data repository. Identified & resolved fundamental duplications issues, expanded functionality, and established quality.
- Used the above to provide 7 teams (approximately 60 employees, from Trading, Billing, Net-Zero Analytics etc.) with the warehouse as their main source of energy consumption data.
- Served as an expert on data engineering business-wide, offering expertise on all manner of data projects and opportunities. Liaised with CTOs from suppliers, consultancies, and developers to build sophisticated integration across Amber's eco-system of platforms.
- Established integration of warehouse with 2 other core systems (CRM & Billing Platform) via API ETL scripts.
- Established Snowflake as the core database of Amber Insight, a cost & CO2 analytics portal designed as a front-door for Amber's consulting services. Captured cost & CO2 variables from several sources (e.g. government climate reports, internal analytics team) to achieve MVP within only 3 months.
- Worked alongside the Business Analyst to gather user stories, map business processes, promote agile working methods, QA products, and deliver to stakeholders across all our projects.
- Transformed 3 weekly-completed manual processes into fully automated, cloud-based flows.
- Nominated as a finalist for the "Rising Star of Year" award by [FinTech Awards Wales \(Sep 2022\)](#)

Graduate Data Scientist, Amber, Energy Analytics, Jan 2021 – Sep 2021

- Analysed consumption-time data (Time Series) of multiple high-profile clients (ASOS, Aston Martin, DHL) - with the goal of reducing their costs and carbon emissions. Communication and presentation of energy solutions to stakeholders and customers through data visualisation.
- Constructed predictive linear regression models for consumption using production volumes and weather variables (Degree Days) – used for budget benchmarks, exception alerting and energy analytics projects.
- Personal project for the main energy drivers of the Hospitality industry – collecting and analysing a dataset of nearly 200 restaurants and bars (Loungers, Cosy Clubs). Used hypothesis testing (ANOVA & Correlations) for deducing coherent relationships between site variables and annual electricity/gas consumption.

Education

University of South Wales, PGDip Data & A.I., Jan 2021 – Sep 2021 (72.2%, Distinction)

University of Bath, MMath (Hons) Mathematics, Sep 2016 – Jul 2020 (65.5%, 2:1)

St John the Baptist School & Sixth Form, A Level: A*AA, GCSE: 3 A*, 1 A, 6 B

Indirect Experience

Co-op Food, Customer Team Member (Bakery), Bath, Jul 2020 – Oct 2020

McDonalds, Crew Member, Bath, Oct 2017 – Oct 2019

Linkable, Session Helper, Woking, Feb 2016 – Aug 2016

Personal Life

Lover of spicy food. Japan obsessed. Aspiring fantasy fiction author.