

## Oliver Johnson, Solutions Engineer

### Overview

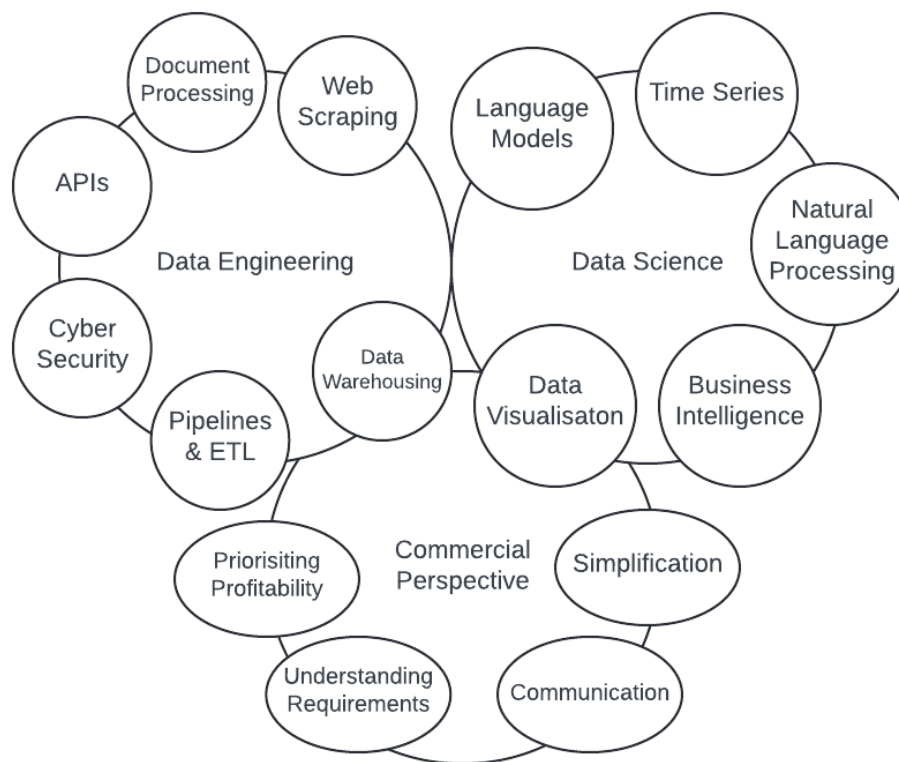
*I am a people-orientated, problem solver with 4 years experience building client-facing data solutions.*

I have come to a comfortable place with my technical understanding, and now wish to hone my skills **working with people, clients and stakeholders**. I have always worked at start-up environments with a heavy client focus, in roles where communication is essential. Data Science / Engineering is my foundation, but I plan to expand formally into a solution/sales engineer/architect job route.

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. Into Japan a lot. Aspiring fantasy fiction author.