

## Oliver Johnson, Solutions Engineer

### Overview

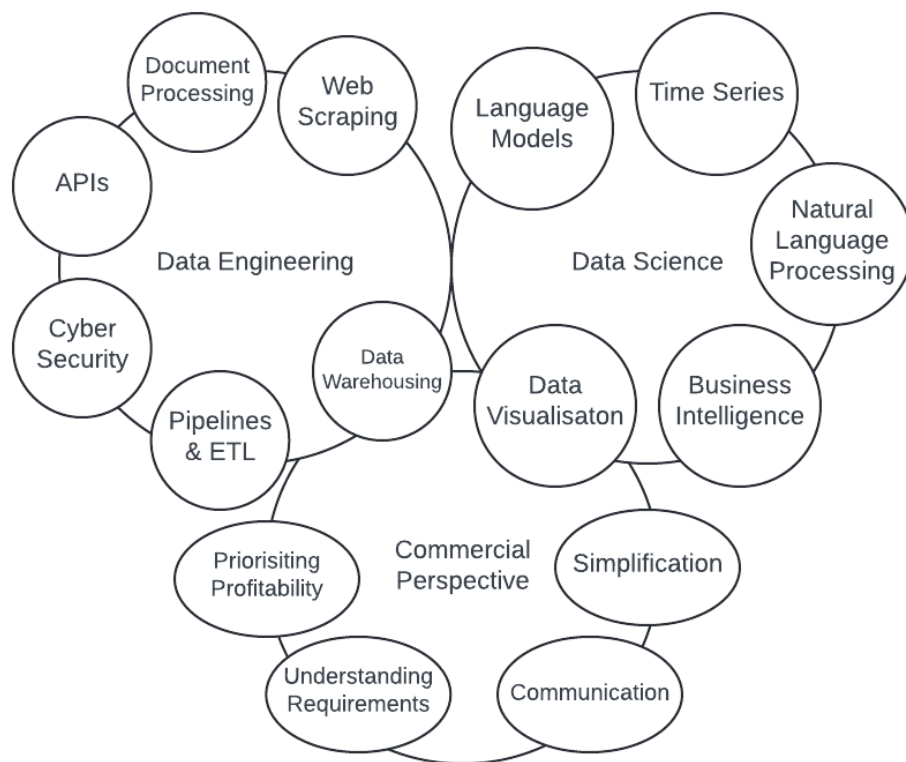
*I am a people-orientated, problem solver with 4 years of experience building client-facing data solutions.*

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

- Worked as a Fee Earner in the Legal Tech & A.I. practice area of an LLP, pitching, building relationships, implementing solutions, and charging fees across a host of matters.
- Consulted with clients, lawyers and stakeholders across the firm to deliver on dozens of unique technical use cases. All were tailored to each client's circumstances, needs and requirements. Examples include Document extraction for due diligence, web scraping for regulatory reviews, data visualisations and analysis for litigation.
- Built 30+ pre-sales POCs that expanded the budget for existing matters or opened up new business with a client. The deadlines were always tight, and I regularly turned around full solutions within a couple days.
- Personally made several relationships and friendships with associates across the firm which created opportunities of work that bypassed the usual Partner-led sales pipeline.
- 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.
- Used NLP techniques, regular expressions, embeddings and LLMs across a diverse set of bespoke projects.
- Designed and implemented a solution architecture using Azure Databricks for Data Engineering at Simmons Wavelength. It served as the core system and lakehouse for all of our client work that utilized data engineering.
- Built a fully automated horizon scanning pipeline that web scrapes from 10+ online website resources, from the UK's Financial Conduct Authority's handbook to Japanese government legislation.

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.