

A self-starting and highly motivated Data Engineer and Analyst specialising in building data integration layers and automations, implementing devops practices and production ready infrastructure. Skilled in Python, SQL, Docker, and Linux systems administration, with a 1st-class honours degree in Economics with Data Science and a CMI L4 Qualification in Management and Leadership. A creative and proactive problem solver with a passion for data quality, data exploration/visualisation, and a strong ethical drive to contribute to purpose-driven organisations.

Work Experience

April-Present 2025 Ecommerce Executive, Motohaus Powersports

- **Act as the sole data and infrastructure engineer**, owning data governance, analysis, and insight generation. Consolidated fragmented data management into unified, automated processes, and took ownership of the entire data lifecycle from infrastructure provisioning to stakeholder collaboration.
- **Collaborate directly with non-technical stakeholders and end-users** to gather requirements, improve adoption of automation, and ensure solutions address real business needs. Liaise with technical and non-technical data users, colleagues, and stakeholders, as well as representatives from external stakeholders on data collaboration.
- **Developed, tested, and deployed a data integration layer** featuring ETL processes, website listing control, and a PostgreSQL database for configuration, input validation, and reference data management. This **fully automated data entry** and **controls website listings for over ten thousand items**, acting as **critical infrastructure for websites and procurement**.
- **Performed mass exploratory data analysis, cleansing, and documentation** of production systems. Identified systemic flaws in data entry processes, collated information from within and outside the organisation, and **implemented standardised practices**.
- **Engineered and presented a detailed Exploratory Data Analysis report** on QuickBooks data to the Managing Director to investigate stock valuation discrepancies, successfully communicating complex technical findings to a non-technical audience to inform strategic decisions.
- **Provide expertise in Data Management**, including through maintaining data flows, mappings and dictionaries.
- **Implement modern development practices**, packaging and installing python code into independent Docker container environments for development, testing, and production. Perform **unit and integration testing** to ensure product reliability and prevent regressions.
- **Administrate Docker compose development and production environments** on a remote bare-metal Debian server, including the data integration layer and an SFTP server for dealer data feeds.

May-August 2023 Production Assistant, Thunderbird Skin

- Handled diverse roles at a skincare manufacturer, contributing to team problem-solving.

May-August 2021 Independent House Renovation

- Took initiative to renovate my dad's house, liaising with estate agents, planning and coordinating a schedule of work and delegating where necessary. Resulted in a rise of the property's valuation from £180,000 to £210,000.

Technical Skills

- **Data Extraction & Visualisation:** Proficient in using Python (Pandas, Matplotlib, Seaborn) for complex data extraction, transformation, analysis, and visualisation. Experience in building reports and dashboards to present data to a range of audiences. Familiar with the concepts of PowerBI and Business Objects.
- **Python:** Functional programming, pytest, packaging, Pandas (data manipulation, highly proficient), NumPy (maths), regex (data validation and complex filtering), SQLAlchemy (databases).
- **Databases:** Advanced DQL in Postgres and SQL Server. DDL, DML in Postgres.
- **DevOps & Infrastructure:** Docker (Networking, Compose), Linux System Administration (Debian, Arch, NixOS), Git, Shell Scripting.
- **Data Engineering:** Data modelling, functional ETL pipeline design, input validation, data cleansing, and logging.
- **Data Analysis & Statistics:** Exploratory Data Analysis (EDA), statistical modelling (linear regression), non-parametric modelling (Ensemble methods, neural networks), and descriptive statistics.

- **Stakeholder Engagement:** Translating user requirements into technical specifications, and communicating technical concepts to non-technical audiences.

Education

2021 – 2024 1st BSc (Hons), Economics with Data Science, University of Kent

- **Year 3:** Economics Dissertation, Financial Economics, Mathematical Economics, Game Theory for Economics and Business, Econometrics I: Cross-Sectional and Panel Data, Econometrics II: Time-Series, Behavioural Economics.
- **Year 2:** Microeconomics, Macroeconomics, Introduction to Econometrics, Introduction to Time-Series Econometrics, Computation and Modelling for Economists, Big Data and Machine Learning.
- **Year 1:** Principles of Economics, Mathematics for Economists, Statistics for Economics, Introduction to Object-Oriented Programming, Programming for Artificial Intelligence, Data Analysis for Economists, Strategy and Games.
- **Economics Dissertation:** Panel data research project into the negative externalities of Airbnb on the local Labour Market, undertaken at the ZIP code level with data from the USA. Made great application of Exploratory Data Analysis, Extract Transform Load processing and regression analysis using Python, R and SQLite.

2020 – 2021 BSc (Hons) Economics with a Foundation Year, University of Plymouth

- **Foundation Year (First):** An Introduction to Economics, Introduction to Academic Writing, Introduction to Business and Accounting, Research Skills, Supervised Research Project.

2016 – 2020 Secondary Education – Independent Candidate, Norwich School

- A Levels: Mathematics, History, Psychology
- IGCSEs: A*- B, including English & Maths, 7 Total

Professional Development

2021 - 2024 University of London Officers' Training Corps

- Completed part-time officer training with the Royal Military Academy Sandhurst University Officer Training Corps, earning a Chartered Management Institute leadership and management qualification.
- Developed leadership, teamwork, and decision-making skills under pressure by leading a section of 8 cadets in complex exercises, coordinating logistics, and ensuring safety in dynamic environments.
- Gained experience in planning, communication, and responsibility for team performance — skills I continue to apply in technical and collaborative work.

Personal Hobbies and Interests

- I love sci-fi - star wars, star trek, the expanse, etc. - and am also getting back into fantasy.
- Previously active in milsim communities and occasionally play airsoft.
- I have a hobby server which I like to play around with, and when I have the time I use it for my NixOS passion project.
- Active in LGBTQ+ community events including Pride and other queer events.
- Passionate about music, especially electronic genres such as techno and hardstyle, and enjoy attending live events and festivals.
- For wellbeing, I enjoy hiking and dancing. I'm also keen to explore historical european martial arts.