

# Aaron Mander

## Full Stack Web Developer

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### Summary

Detail-oriented and motivated Junior Data Analyst and Developer with a background in software development and a strong interest in working with data. Skilled in React, JavaScript, Python, and SQL, with experience in building web applications and analyzing data. Eager to apply analytical and problem-solving skills while continuously learning and growing in both data analysis and front-end development.

### Skills

Technologies	JS (React, Node.js), Python (Pandas, NumPy, Django), SQL (PostgreSQL, MySQL, SQLite), Tabelaeu, Docker
Professional Softwares	VS Code, Figma, Adobe XD, L <sup>A</sup> T <sub>E</sub> X
Soft Skills	Problem-solving, analytical thinking, communication, teamwork, attention to detail

### Experience

#### Asset Quest

Remote

Junior Data Analyst and Developer (Internship)

Jun 2024- Aug 2024

- Contributed to the creation of the Minimum Viable Product (MVP) by implementing the backend architecture.
- Designed and developed a robust API for user creation and login authentication, ensuring secure access and management of user data.
- Integrated file storage functionality with databases, allowing for seamless data persistence and retrieval.
- Helped automate basic data entry and processing tasks to improve workflow efficiency.
- Assisted in cleaning and organizing data using Python and SQL to improve reporting accuracy.

#### LDN Sport Social

Remote

Web Developer with Data Responsibilities

Jan 2023- Current

- Developed and maintained the company’s web application using React and JavaScript.
- Collected and analyzed website traffic data to help understand user engagement.
- Created basic dashboards in Power BI to track key site performance metrics.
- Assisted in organizing customer data for marketing analysis and business reporting.
- Worked closely with stakeholders to present findings and improve user experience.
- Organised web hosting and SSL certification for the business domain.

#### Big Flare

Remote

Freelance Web and Data Assistant

2021 - 2022

- Helped Big Flare to increase traffic through building and launching an update to their web application using Squarespace, creating a human-centred user experience that aligned with the company’s branding and values.
- Helped track website performance using Google Analytics and basic SQL queries.
- Created simple reports in Excel to show key user trends and engagement metrics.
- Assisted in maintaining a structured database for storing customer information.

#### Graduate Researcher

Bath

GKN Aerospace/University of Bath

2014 - 2017

- Conducted research on strain energy release rates (SERR) of carbon fiber reinforced polymers (CFRPs) under layup loading, utilizing Python for mathematical modeling to predict SERR and the failure modes of CFRPs.
- Designed and performed a series of experiments to validate mathematical models, including measuring crack length, delamination area, and strain energy release rate using advanced testing techniques such as digital image correlation (DIC).
- Analyzed experimental data and compared results with numerical predictions, identifying discrepancies and developing updated models to improve accuracy.
- Worked collaboratively with academic and industry partners to identify research needs and potential applications of research findings.
- Mentored undergraduate students and provided technical support to other researchers in the laboratory.

### Education

#### University of Bath

Bath

Masters in Engineering - MEng, Aerospace Engineering - Classification: 2:1 (Upper Second-Class Honours)

2009 - 2014

### Certifications

#### Meta

Remote

Meta Back-End Developer Specialization

2022

#### Udemy

Remote

The Complete JavaScript Course 2021

2021