DANIEL VISSER

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RELEVANT EXPERIENCE

Full-Stack Engineer | Stealth Startup | London, UK 05/2024 - Present

- Architected and developed a containerized backend using Django REST Framework, JWT Auth, Celery, Redis, and PostgreSQL.
- Designed a responsive, intuitive interface in Figma and co-developing in Next.js (TypeScript, Tailwind).

Data Analyst/Engineer | MainStreet Partners | London, UK 10/2023 - Present

- Contributed to the design and build of MainStreet's core data architecture, including a models database and internal APIs, empowering teams with centralized, highly accessible data.
- Scaled MSP's sustainability models, processing 10M+ data points weekly, cutting run times from days to minutes.
- Automated the portfolio data pipeline, processing data from multiple sources (API, SFTP, email), streamlining and error-proofing a business-critical data flow.

Data Scientist | Fluro | London, UK 07/2022 - 08/2023

- Developed a predictive Markov model for loan default forecasting, supporting key funding initiatives.
- Automated key financial and operational reporting with internal apps integrated with third-party APIs.
- Led the design of Portfolio Management reporting and model monitoring BI, creating interactive visualizations that guided C-suite decision-making.

Python Developer | Startup | London, UK 10/2021 - 06/2022

- Designed a performant PostgreSQL schema and built ETL tooling to hydrate tables, including our Twitter scraper, analytics pipelines, and preprocessing pipelines for our price prediction and sentiment models.
- Collaborated with front-end developers, getting involved as needed.

LANGUAGES

Proficient

Python (DRF, Flask, NumPy, Pandas, SQAlchemy, Celery), **SQL**

Familiar

TypeScript (React, Next.js), **HTML/CSS** (Tailwind)

INFRASTRUCTURE & DEVOPS

AWS (EC2, ECS, Lambda, S3, RDS), **Docker**, **PostgreSQL**, **Snowflake**, **GitHub Actions**, **Jenkins**

EDUCATION

University of Bristol 2017 - 2020

Physics (BSc) - First Class Honours

Thesis: *Modeling Quantum-Classical Correspondence.*

University of Southampton 2020 - 2021

Sustainable Energy Technologies (MSc) - Distinction

Thesis: *Optical and Electrical Modeling of Perovskite Solar Cells – ETL Morphology's Impact on Performance*

ADDITIONAL COURSES

Udemy: Python for Data Science & Machine Learning Bootcamp

INTERESTS & HOBBIES

- Maintain a broad interest in the understanding and development of intelligence and intelligent systems.
- Frequent attendee of live music, avid reader of anything from Hemingway to Hawking, and maker of furniture and ceramics.
- Enjoy a variety of sports, including tennis, football, rugby, golf, skiing, and cycle touring.