

Adam Michael Fairley

Full-Stack Developer

Full-Stack Developer with a strong foundation in Python, SQL, and modern web technologies. I hold a Master's in Astrophysics and a Level 5 Diploma with Distinction in Web Development. Experienced in data analysis, scientific computation, and building scalable, data-driven solutions. Skilled at problem-solving, managing large datasets, and delivering innovative web applications. I practice test driven development (TDD) to create clean, modular, and scalable code. I have built and deployed web applications in Python, JavaScript, SQL, HTML, and CSS through Django, Flask, and front-end frameworks, with a strong eye for detail with database design and management with PostgreSQL and SQLite, and SQLAlchemy for ORM integration. I am proficient in Git/GitHub version control solo and in teams.

Contact



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<https://github.com/amfairley>

www.linkedin.com/in/adamfairley



<https://www.adamfairley.com/>

Education

09/2023 – 02/2025

Level 5 Diploma Web Development (Distinction) - CodeInstitute

09/2020 – 10/2022

Master of Science with Distinction: Astrophysics - Liverpool John Moores University

09/2009 – 06/2014

Bachelor in Science (Hons): Chemistry
University of Durham

Technical Skills

For a full portfolio of my work, please see my website <https://www.adamfairley.com/>

Languages and Scripting

HTML5	CSS3	JavaScript	Python 3
SQL	MatLab	Visual Studio Code	Jupyter Notebook

Website Development

Django	Flask	Bootstrap	Materialize	jQuery	Jest
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Databases

PostgreSQL	SQL	SQLAlchemy
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Data Analysis

Pandas	Numpy	Matplotlib
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Version Control and Deployment

Git	GitHub Projects	GitHub Pages	Heroku
ProService (Domain Management)	AWS (Amazon Web Services)	Cloudinary	

APIs

Stripe	I(18)n	Allauth	WTFORMS	Crispy Forms
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Career Path

06/2024 - Current

Technical Assistant • FPSO Consulting • London (Remote)

- Automated internal tasks through development and maintenance of custom Python scripts
- Built and updated internal websites and tools using HTML, CSS, JavaScript, and Python frameworks
- Designed and implemented simple data visualisations to support decision-making
- Worked independently on varied projects, adapting quickly to new technologies and tasks as needed

10/2018 – 06/2020

Radiochemist • Invicro Limited • Hammersmith Hospital, London

Created SOPs, sole responsibility for a clean room, developed new tracers

07/2017 – 10/2018

Production Radiochemist • Alliance Medical • RM Hospital, Sutton

Sole responsibility for providing all UK hospitals with radioactive tracer FEC

02/2015 – 07/2017

Environment Engineer • Magnox Ltd • Bradwell Nuclear Powerplant

Shift leader, KPIs, ran and maintained on site laboratory