

Aidan Dennehy

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PROFESSIONAL SUMMARY

Full-stack developer and data analyst with over 30 years of commercial IT delivery across the UK and Ireland, recently upskilled with an MSc in Data Science & Analytics and a BSc in Computer Science & Web Development from MTU Cork. Combines deep technical foundations in Python, SQL, JavaScript, and machine learning with a proven track record of building systems that get used in production. Fluent with modern AI-assisted development tools including Claude, Cursor, GitHub Copilot, and ChatGPT, using them to accelerate delivery without losing sight of what is being built. Works well independently, communicates clearly about requirements and trade-offs, and brings genuine analytical rigour to both data and software problems.

TECHNICAL SKILLS

Languages & Data: Python, SQL, JavaScript (ES6+), TypeScript, HTML5, CSS3

Frameworks & Libraries: React, Vue, Svelte, SvelteKit, Node.js, FastAPI, Flask, TensorFlow, Scikit-learn

Data & Visualisation: Power BI, Tableau, Pandas, Jupyter Notebook, Machine Learning, A/B Testing

Databases: MySQL, MongoDB, PostgreSQL, SQLite

Tools & DevOps: Git, Docker, Jupyter, VS Code, Vite

AI-Assisted Development: Claude (claude.ai & Claude Code), Cursor, GitHub Copilot, ChatGPT

Methods: Agile / Scrum, Requirements Engineering, Statistical Analysis

EDUCATION

MSc in Data Science & Analytics

Munster Technological University — 2024

BSc (Hons) in Computer Science & Web Development

Munster Technological University — 2021

EXPERIENCE

Full-Stack Developer | Freelance — Community Project

Templecurraheen Graveyard Website — www.templecurraheen.ie | 2025 – Present

- Designed and built a full website to digitise and surface historical graveyard and burial records for public access, built on Eleventy (11ty).
- Developed content covering historical burial plot records, including famine-era burials, with supporting register and image mapping.
- Sole developer across the full stack — requirements, design, build, deployment, and ongoing maintenance.

Full-Stack Developer | Freelance — Community Project

Ballinacurra Graveyard Website | 2023 – Present

- Designed and built a full responsive web application to digitise and surface historical graveyard records for public access.
- Built front-end in HTML, CSS, and JavaScript with a focus on accessibility and usability for non-technical users.

- Integrated a database backend enabling full-text search across hundreds of historical records.
- Sole developer across the full stack — requirements, design, build, deployment, and ongoing maintenance.

Software Researcher | Nimbus Research Centre

2018

- Integrated automated web scraping into a proprietary CRM system, significantly improving data collection workflows.
- Developed data extraction algorithms that reduced processing time and improved reporting accuracy.

Data Analyst | Artesium Associates Ltd.

2008 – 2015

- Led multi-source data acquisition processes, ensuring integrity and consistency across datasets.
- Designed and implemented an Audit Management System that improved compliance tracking and reporting.

Data Analyst | CCAS Ltd.

2001 – 2008

- Designed and deployed an audit system that directly improved financial recovery rates.
- Conducted root-cause data analysis to identify discrepancies and optimise reporting pipelines.

Data Analyst | PRGX International Plc

1996 – 2001

- Managed large-scale data acquisition and reporting, contributing directly to business strategy decisions.
- Designed and implemented on-site audit and data capture networks across multiple client engagements.

Programmer / Implementer | Kent Technologies Ltd.

1991 – 1996

- Developed a Plant Maintenance & Production Reporting System deployed for Coal India — a large-scale enterprise delivery.

Junior Programmer | Seabrook Research Ltd.

1989 – 1991

- Contributed to development of Payroll, MRP, and Quarry Management Systems.