

Mathew Wiggins

Junior Software Developer

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Profile

Junior Software Developer with professional experience building web applications, internal tools, APIs, and data analytics solutions within local government, alongside part-time freelance full-stack web development. Strong software engineering foundation supported by a First Class Honours degree and a background in Physics with Astrophysics. Comfortable working across the full development lifecycle and delivering real-world, data-driven solutions.

Experience

Junior Developer

April 2025 – Present

Gwynedd Council

- Develop and maintain web applications, internal tools, and APIs supporting council services
- Build and support data analytics solutions to improve operational insight
- Collaborate with stakeholders and technical teams to deliver reliable software
- Contribute to code reviews, testing, and continuous system improvements

Software Engineer Degree Apprentice

August 2022 – April 2025

Gwynedd Council

- Developed and supported internal systems and web applications during degree apprenticeship
- Assisted in API development, data processing, and application maintenance
- Applied software engineering best practices alongside academic study

Freelance Full-Stack Web Developer (Part-Time)

Ongoing

Self-Employed

- Design and develop full-stack JavaScript web applications for clients
- Build frontend and backend features, databases, and APIs
- Translate client requirements into maintainable technical solutions
- Manage projects independently, including delivery and client communication

Key Project

IoT Sensor Data Analytics & Machine Learning Model

- Developed a Python-based machine learning model analysing IoT sensor data
- Improved monitoring of independent living social care patients
- Produced actionable insights from real-world sensor datasets

Education

BSc (Hons) Software Engineering — First Class Honours

July 2025

Bangor University

BSc Physics with Astrophysics

July 2022

Liverpool University

Technical Skills

- **Languages:** C#, Java, Python, JavaScript, TypeScript, PHP, SQL, HTML, CSS
- **Web:** Full-stack C#, TypeScript and JavaScript applications, APIs
- **Data:** Data analytics, machine learning, IoT data processing
- **Practices:** Version control, testing, collaborative development