



# Matt Waterworth

Versatile Full Stack Solution Architect & Engineer

## Contact

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## Professional Summary

Versatile **Full Stack Solution Architect** who transcends the traditional frontend/backend divide, delivering end-to-end applications that solve real business problems. In an industry that increasingly demands versatility over specialization, I represent the modern "do-it-all" developer who can architect, build, and deploy complete solutions independently.

Expert across the entire technology stack: **frontend development** (React, Vue.js, Angular, responsive UIs), **backend engineering** (Laravel, Node.js, APIs, databases), **AI integration** (LLMs, neural networks), **DevOps practices** (CI/CD, testing), and **cloud infrastructure** (AWS, Docker, Kubernetes). This versatility enables me to build cohesive applications where all components work seamlessly together.

## Professional Experience

### Full Stack Solution Architect

9/2024 - 2/2025

CAREER CONNECT, GET CONNECTED, LIVERPOOL

- Led end-to-end development as a versatile full stack architect, handling both **frontend** and **backend** implementation of a comprehensive Laravel Nova admin system that increased staff productivity by 287%.
- Demonstrated cross-domain expertise by implementing intelligent **AI integration** for data generation while simultaneously rebuilding the **frontend UI** with modern component architecture.
- Applied full stack versatility in database architecture redesign, migrating hard-coded data structures into flexible database tables while also creating the frontend interfaces for non-technical teams to manage this information.
- Spearheaded full-cycle development of TeacherZone portal, personally handling the entire technology stack from **backend Laravel architecture** to **frontend Vue.js components** to **DevOps deployment**, showcasing the modern "do-it-all" developer approach that eliminated the need for specialized frontend/backend teams.

### Full Stack Solution Architect

3/2024 - 8/2024

MINDFLOW RUN, Remote

- Architected and delivered a complete mental health running application as a versatile full stack developer, personally implementing all aspects from **frontend UI** to **backend services** to **AI integration** to **cloud deployment**.
- Eliminated the need for specialized teams by handling the entire technology stack: engineered **backend AI services** while simultaneously creating a **responsive frontend** with Tailwind CSS and Vue.js that reduced user cognitive load by 78%.
- Demonstrated cross-functional versatility by implementing comprehensive **API integrations** (Strava, Garmin Connect, Google Maps) while also building the **interactive frontend dashboards** that visualized this data using ApexCharts and Angular.
- Applied end-to-end expertise in implementing robust software architecture using SOLID principles and design patterns across both **frontend** and **backend** codebases, enabling rapid feature deployment with minimal team overhead.

## Full Stack Solution Architect

11/2021 – 1/2024

TEXTHELP, ANTRIM

- Led Project Bluefin as a versatile full stack developer, personally implementing the end-to-end solution for SugarCRM integration with dual database hosts, handling everything from **database architecture** to **backend API design** to **frontend implementation**.
- Developed SugarHive as a complete full stack solution, creating not only the **backend bash application** for automating development environments but also the **frontend interface** for developer interaction with the system.

## Full Stack E-Commerce Developer

5/2020 – 8/2021

UENI, LONDON

- Architected an end-to-end SaaS shopping cart platform as a versatile full stack developer, demonstrating cross-domain expertise across **frontend UI design**, **backend API development**, **database architecture**, and **DevOps deployment** with Docker, Kubernetes, and AWS.
- Showcased technical versatility by developing high-performance Python 3 scripts for automation while simultaneously implementing **frontend and backend components** of the core e-commerce platform.
- Created a comprehensive templating engine solution, handling both the **backend architecture** for theme management and the **frontend interfaces** that empowered design teams to deploy custom themes without developer dependency.

## Full Stack PHP Developer

2/2019 – 2/2020

SONY ATV PUBLISHING, LONDON

- Delivered a complete end-to-end shopping cart system for Sony's music platform, demonstrating full stack versatility by implementing both the **Symfony backend services** and the **AngularJS frontend components** as a single cohesive solution.
- Applied cross-domain expertise in **testing methodologies** (PHPUnit), **code quality standards** (PHPCS), **frontend development**, and **backend architecture** to create a robust, secure e-commerce system that processed over £1.2M in its first quarter.

## Volunteering

Extreme endurance athlete who conquered 1,050 miles in just 38 days to raise life-changing awareness for Mind mental health charity. Not content with standard fundraising approaches, I develop revolutionary applications for addiction recovery that leverage cutting-edge technology to transform lives when traditional methods have failed.

## Full Stack Expertise

**Languages:** English (Native Mastery)

**Technology Stack Versatility:** Frontend: React, Vue.js, Angular, Tailwind CSS, JavaScript, jQuery, Bootstrap, CSS3, HTML5, Responsive Design; Backend: Laravel, Symfony, Node.js, PHP, Python, CakePHP, Zend Framework, RESTful APIs, GraphQL; Database: MySQL, PostgreSQL, MongoDB, Redis; DevOps: Docker, Kubernetes, CI/CD, Git, AWS, Azure; AI Integration: ChatGPT, llama.cpp, Oobabooga, RAG Architecture; Services/APIs: Stripe, PayPal, Google Maps, Strava, Garmin Connect, JustGiving; Visualization: ApexCharts, D3.js, Chart.js, Metronic.

**Cross-Functional Experience:** Comprehensive end-to-end application development, full-cycle software implementation, solution architecture, API design, database modeling, UI/UX implementation, cloud infrastructure management, DevOps automation, AI integration, and team leadership.

**Versatile Approach:** I specialize in breaking down traditional silos between frontend, backend, devops, and infrastructure, delivering holistic solutions that span the entire technology stack to maximize efficiency and ROI.