# Callum Tremayne

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GitHub · LinkedIn · Portfolio

## PROFILE

Full-Stack Developer with experience delivering large-scale enterprise web platforms and independently building modern, production-ready applications.

Currently contributing to a high-traffic institutional website built on C# ASP.NET MVC, React, Sitecore CMS, and Solr. Experienced in structured content architecture, component-driven development, API integrations, performance optimisation, and CI/CD workflows within collaborative agile teams.

Alongside enterprise development, I design and deploy modern full-stack applications using Next.js, TypeScript, and PostgreSQL-based backends, taking end-to-end ownership from system design and data modelling through to deployment and optimisation.

## TECHNICAL SKILLS

### Enterprise Architecture

C# · ASP.NET MVC · Mobile App Development · Sitecore CMS · Solr · React · Sass

### Modern Full-Stack

Next.js · TypeScript · Node.js · PostgreSQL · Supabase · Tailwind CSS · Payload CMS · REST APIs

### Tooling & Workflow

Git · Jenkins · CI/CD · Jira · Confluence · Agile/Scrum · Component-driven architecture

## PROFESSIONAL EXPERIENCE

### Digital Developer
2022 – Present

Leeds Beckett University

Contribute to the development and evolution of a large-scale institutional website within a Sitecore CMS environment built on ASP.NET MVC and React.

- Develop and maintain modular Razor and React components within structured CMS architecture.
- Delivered a full institutional website rebrand, translating a new design system into scalable, production-ready components.
- Refactored legacy UI components to align with accessibility and performance standards.
- Designed and implemented a modern UCAS Tariff Calculator integrating the UCAS API, improving responsiveness and usability.
- Implemented a Safe Quick Exit feature for safeguarding pages, prioritising privacy-aware browser behaviour.
- Collaborate on mobile app evolution with the App Account Manager and third-party partners (feature scoping, UX improvements, releases).
- Work within agile delivery using Jira/Confluence and CI/CD workflows using Git and Jenkins.

### Founder - Lead Developer
2026 – Present

Tremayne Digital Solutions

Design and build modern full-stack applications and selected client projects using Next.js, TypeScript, and PostgreSQL-based backends.

- Designed relational PostgreSQL schemas and structured data models for content-driven applications.
- Implemented dynamic routing systems with unique identifier generation and production-ready deployment flows.
- Integrated authentication, secure data handling, and cloud storage for media-heavy pages.
- Deployed and optimised applications via Vercel with performance and SEO considerations.

## SELECTED PROJECTS

### Heartfelt Pages
Next.js · Supabase

Full-stack digital platform generating dynamic personalised webpages.

- Designed PostgreSQL schema for structured content storage and media relationships.
- Implemented dynamic routing with unique page identifiers.
- Integrated secure form submission, authentication patterns, and storage workflows.
- Deployed via Vercel with performance optimisation.

### Project Exit
Next.js · Tailwind

High-performance marketing landing page built with modular architecture.

- Designed reusable component system and responsive layout patterns.
- Optimised accessibility and performance for a clean conversion-focused experience.

### Talent Finder (In Progress)
Data modelling · Search

Database-driven recruitment platform focused on scalable search architecture.

- Designing relational schema for filtering, indexing, and extensible candidate attributes.
- Planning modular API structure to support future expansion.

## EDUCATION

### MSc Computing
2018 – 2022

Sheffield Hallam University

### BSc Information Technology with Business Studies (First Class Honours)
2018 – 2022

Sheffield Hallam University

## EARLIER EXPERIENCE

### Bar Manager — Kettle Black
2019 – 2022

- Progressed to management; led daily operations, stock control, and team supervision.

### Production Engineer — Bibby Turboflex
2013 – 2018

- Completed apprenticeship; oversaw manufacturing operations and reported to senior stakeholders.

## ADDITIONAL INFORMATION

Full UK Driving Licence.