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I'm a very experienced, user-focussed front end developer with expertise through the stack from detailed UI work, page load performance and accessibility to Node.js, API integration and observability. I love working closely with product and design to quickly create rewarding user experiences.

I understand every angle of a successful agile team including user-centred research and design, prototyping, rapid iteration, continuous delivery, TDD, test automation & strategy, pairing and shared ownership of quality and observability.

I'm available for remote or hybrid (London-based) roles.

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## Full-stack Javascript

- Typescript
- React
- Node.js, Express, PostgreSQL, Redis
- Functional / asynchronous coding patterns
- TDD with Jest, React Testing Library
- E2E / browser testing using Cypress, Playwright, Webdriver
- REST API design and use / GraphQL federation
- Security awareness including XSS, CSRF
- Micro-frontends

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## Styling

- CSS modules
- CSS-in-JS including Styled Components, Emotion
- Responsive / mobile-first
- Adaptable layouts with grid / flex box
- SASS / PostCSS
- Reusable components

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## Other front end

- A strong understanding of UX and interface design principles
- Performance - caching, prefetching, bundle optimisation, RUM, web vitals
- UI component libraries - authoring & distributing
- Accessibility - extensive practical experience; screenreader / voice activation, ARIA, keyboard access
- SEO - structured data / schema.org; Accelerated Mobile Pages
- Progressive enhancement for performance / robustness / cross platform use
- Mobile web development and debugging using emulators / remote dev tools / device class recognition
- Vector graphics – interactive SVG

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## General tooling / software engineering

- Monitoring / alerting / metrics eg New Relic, Datadog, Sentry
- Deployment / CI / CircleCI / Azure / Heroku / Docker
- Google Analytics capture / reporting

# Professional experience

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## Marks & Spencer (via 101 Ways)

Nov 2023 - Jun 2025

Senior developer in the front end team that has built, launched and run a major new initiative for M&S - bringing their store food catalogue online at [marksandspencer.com/food](https://marksandspencer.com/food)

*React / Node.js / Next.js / Typescript / Nx / Playwright / Jest / React Testing Library*

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## Kooth

Feb - Nov 2023

Feature work for a digital platform offering mental health support & counselling

*React / Node.js / Typescript / Jest / React Testing Library*

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## Ministry of Justice (via Equal Experts)

July 2021 - Feb 2023

Services for probation, to manage the recall of a person to prison. Accessibility and security audits passed.

*Node.js / Typescript / Jest / React Testing Library / Cypress / Nunjucks / gov.uk design system*

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## The Foreign Office

Dec 20 - June 2021

Researching and prototyping accessible new services for travel advice and document legalisation.

*Node.js / Typescript / Jest / React Testing Library / Cypress / Nunjucks / gov.uk design system*

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## Trainline

Mar 20 - Dec 20

Increasing user engagement and signup including Google One Tap

*React / Node.js / Typescript / Jest*

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## Culture Trip

Mar 19 - Mar 20

Added hotel booking to a high-traffic travel web site including prototyping a micro-frontends architecture

*React / Node.js / Next.js / Typescript / Jest / React Testing Library*

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## Sainsbury's

Aug 18 - Mar 19

Accessible web apps to engage with Sainsbury's suppliers at [togetherwith.co.uk](https://togetherwith.co.uk)

*React / Node.js / Typescript / Jest*

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## Financial Times

Dec 17 - Aug 18

Rebuild of [ft.com](https://ft.com) user preference centre with fast page load performance and accessibility.

*Node.js / Typescript / Jest / Cypress*

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## The Times

Nov - Dec 17

UI components for native and web drawn from a single library

*React / React Native Web*

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## Agri-tech startup

May - Sept 17

Rapid prototyping of agri-tech solutions involving provenance and waste reduction

*React / React Native*

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## Times Educational Supplement

Apr 15 – Apr 17 , Oct 17

Rebuild of tes.com flagship Jobs site, home page and news feed. I helped lead the rebuild of the front end architecture including React, component-based SASS and a drive to improve page load performance.

*React / Jest*

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## Government Digital Service

Nov 14 – Apr 15

Interactive data visualisations to show usage and cost of government services ([www.gov.uk/performance](http://www.gov.uk/performance)).

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## The Home Office (via Equal Experts)

Oct – Nov 14

A short contract at the Home Office, prototyping a shift-swap system for Heathrow workers.

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## Money Advice Service

Feb – Oct 14

A pension calculator. Development was guided by observed user-testing and fully accessibility tested

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## Which?

Apr 13 – Feb 14

TV Reviews site built with Rails and jQuery. Rapid prototyping of ideas for graphing data with SVG.

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## Royal Bank of Scotland

Aug 12 – Mar 13

Single page apps for Markets & International Banking

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## Associated Press

Jan – Aug 12

A brand-new delivery platform for broadcast-quality video news ([apvideohub.com](http://apvideohub.com)). Video Hub has been a major success for AP and has expanded into a marketplace for providers including WSJ and NY Times.

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## Betfair

Jan – Dec 11

A complete rebuild of Betfair's sports site which handled millions of transactions daily. Page load time was analysed in WebPageTest and reduced from 20s to < 2s

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## LBi

Jul – Dec 10

SVG data visualisations for a national energy saving scheme and interactive graphs for online banking.

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## Espresso Education

Oct 02 – Jun 10

Video-rich learning resources subscribed to by over half of the primary schools in England, and winner of multiple BETT awards and a Children's BAFTA. I became lead front end developer across all products.

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## Education & interests

2:1 BSc (Hons) Biology - Cardiff University | 3 A levels (Maths, Business, Spanish)

I enjoy road / mountain biking, gym training, travel and helping my kids with their pursuits.

I volunteer for Code Your Future who offer free software development courses to under-represented groups.