

Callum Whitaker

Frontend Developer

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Frontend developer with five years of experience building performant web applications in React and TypeScript. Currently working on the customer-facing platform at a travel tech company serving 3.8 million monthly users. Comfortable owning features end-to-end, from design handoff through to production monitoring.

EXPERIENCE

Frontend Developer, Skyscanner, Bristol

Jan 2023 – Present

Part of the search results team, building and maintaining the flight comparison UI used by millions of travellers.

- Rebuilt the flight results card component in **React 18 + TypeScript**, reducing re-renders by 62% and improving Largest Contentful Paint from 3.4s to 1.8s
- Implemented a new filters sidebar that increased filter usage by **28%** and reduced bounce rate by 11%
- Built an accessibility audit pipeline with axe-core — fixed **147 WCAG AA violations** across 34 pages
- Mentored 2 junior developers through onboarding and their first quarter

Junior Frontend Developer, Hargreaves Lansdown, Bristol

Mar 2021 – Dec 2022

Worked on the client portfolio dashboard for one of the UK's largest retail investment platforms.

- Built real-time portfolio value charts using **D3.js and WebSockets** — replaced a 30-second polling mechanism with live updates
- Migrated the component library from styled-components to **Tailwind CSS**, cutting CSS bundle size by 43%
- Developed a responsive onboarding flow that increased account completion rate by **17%** across mobile devices

Frontend Developer Intern, Potato (now part of AKQA), Bristol

Jun 2020 – Dec 2020

Six-month placement building interactive prototypes and production components for agency clients.

- Built a product configurator for a retail client using **Vue.js** — handled 14 product variants with real-time price calculation
- Created a shared component library used across **3 client projects**, cutting initial development time by roughly 20%

EDUCATION

BSc (Hons) in Computer Science, University of Bristol, Bristol

Sep 2017 – Jun 2021

Upper Second Class Honours (2:1). Dissertation on *client-side rendering performance in single-page applications*. Active member of the university hackathon society.

SKILLS

React & Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS & CSS Modules, HTML5 & Semantic Markup, Jest & React Testing Library, Webpack & Vite, Git & GitHub Actions, Figma (design handoff), Web Accessibility (WCAG 2.1)

CERTIFICATIONS

AWS Certified Cloud Practitioner, Amazon Web Services

Nov 2023 – Nov 2026

IAAP Web Accessibility Specialist (WAS), International Association of Accessibility Professionals

Mar 2024 – Mar 2027

LANGUAGES

English (native), French (conversational)

PROJECTS

Flight Results Redesign – Skyscanner

Jun 2023 – Dec 2023

Led the frontend rebuild of the core flight search results page.

- Replaced a legacy jQuery widget layer with **React Server Components** and streaming SSR
- Page load performance improved by **47%** on mobile (3G throttled)
- A/B tested across **1.2 million sessions** — new version increased click-through to booking by 9%

Portfolio Dashboard Rewrite – Hargreaves Lansdown

Sep 2021 – Jun 2022

Rebuilt the client portfolio overview from a server-rendered MVC page to a React SPA.

- Reduced time-to-interactive from **6.2s to 2.1s**
- Integrated with 4 internal APIs for holdings, performance, dividends, and transactions
- Used by **1.7 million active clients** after rollout

REFERENCES

Sian Griffiths, Engineering Manager, Skyscanner, sian.griffiths@skyscanner.net, +44 7700 900 412

Ravi Patel, Senior Frontend Developer, Hargreaves Lansdown, ravi.patel@hl.co.uk, +44 7700 900 553

EXTRA CURRICULAR ACTIVITY

Volunteer – Code Club Bristol

Jun 2022

Teach HTML, CSS, and JavaScript basics to children aged 9-13 at a weekly after-school club. Currently running sessions at two primary schools.

Organiser – Bristol JS Meetup

Sep 2023

Help organise monthly meetups for the local JavaScript community. Arrange speakers, venue, and sponsorship. Average attendance of 45 people per session.