

Pete Williams // Senior JavaScript Engineer

Based in Birmingham, UK

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A talented developer with over 15 years experience. Passionate about building innovative, robust and efficient web apps which improve the user experience and achieve business goals. Fluent in a range of technologies, with a strong ability to learn new skills and stay at the forefront of industry trends.

Skills

JavaScript - Building web apps using TypeScript, React, Angular, Next.js and Node.

Build tools - Prettier, ESLint and Stylelint for code quality. Bundling with Webpack.

Accessible markup - WCAG AA standard using semantic HTML and WAI-ARIA attributes.

APIs - REST and GraphQL. Integration with internal and third-party APIs.

Styling - Modern CSS, Sass and CSS-in-JS. Scoping with CSS Modules and BEM.

CMSs - Integration with Contentful, Sitecore and custom systems.

Testing - TDD/BDD using Jest, Testing Library and Cypress.

Agile/scrum - Nine years in agile teams and tribes. JIRA and TFS project tracking.

Experience

Senior Software Engineer

ScottishPower

Contract

Nov 21 - present

- One of three developers chosen to lead a site rebuild in Next.js.
- Established best practices and built the core framework underpinning all user journeys. This included a component library, state management, API integration and validation.
- Prototyped and implemented cutting edge features including React Server Components and Next.js's App Router.
- Leveraged SSG and SSR to achieve faster loading times and improved SEO compared to the existing website. Lighthouse scores averaged 88% compared with 12% on the old website.
- Achieved WCAG AA accessibility and 100% Lighthouse scores across the entire component library.

Senior Software Engineer

E.ON Next

Contract

Oct 20 - Nov 21

- Worked on a greenfield project to build the website for this brand new business within a tight 12 month timeframe.
- Responsible for core features including shared components, GraphQL API integration, Thunk-based state management, and a set of utility functions, hooks and GraphQL helpers.
- Followed a CI/CD approach to deliver features daily, allowing us to rapidly iterate and respond to feedback.
- Used Jest, React Testing Library and Cypress to add comprehensive testing, giving the team a high level of confidence in our code.

Senior Front End Developer

npower

Contract

Jun 17 - Sep 20

- Used Angular, NgRx and RxJS to build a brand new website capable of serving several million customers.
- Responsible for the front end build of user journeys, including a smart meter installation booking system, pre-pay meter top-ups, and bills and payments history.
- Drove code quality with a focus on testing, taking code coverage from 0% to over 85%.
- Gained significant knowledge of accessibility principles, including training sessions run by a specialist agency.

Front End Developer

Team ITG

Contract

Apr 16 - May 17

- One of two senior developers on a team challenged by Jaguar Land Rover to build “the world’s best vehicle configurator”.
- Responsible for building complex but performant components, interactions and logic for this image-heavy app.
- Oversaw junior team members through one-to-one mentoring and code reviews.
- Offered technical advice to stakeholders to help guide the application’s future direction.

Travel

Sep 15 - Mar 16

- A six month career break backpacking around South East Asia, Australia and New Zealand.

Front End Developer

Team ITG

Contract

Jun 14 - Sep 15

- Worked as part of a three-agency, 60-strong team to deliver a new global marketing website for Land Rover.
- Responsible for producing robust, modular components which integrated with the custom CMS.
- Chosen for the Interactive Stories project, a rich, magazine-style digital experience. Built a parallax scrolling hero image banner, interactive video and audio components, and complex text animations.
- Led development on the Visual Identity Update project, working with the lead designer to review and restyle all existing components to produce a more consistent look and feel.

Full Stack Developer

Various digital agencies

May 08 - Jun 14

- Built sites and web apps powered by recognised frameworks and CMSs such as Zend Framework, Drupal, WordPress and Moodle.

Various roles

Sep 05 - May 08

- Including asset management at the Ministry of Defence and logistics tracking at Kuehne+Nagel.

Education

University of Bath

2001 - 2005

BEng (Hons) 2:1 Automotive Engineering

Including a placement at Goodrich Engine Control Systems.

King Edward VI Aston School

1994 - 2001

A-level: Maths (A), Physics (A), Physics Special Paper (Grade II), Design and Technology (B), General Studies (B).

GCSE: 5 A*s, 5As, 1B.