

Ed Williams

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PROFILE

As a Full Stack Developer, I have many years of experience in building robust and scalable Websites, WebApps and PWA's, alongside a solid commercial experience of building Node API's.

As a contractor I enjoy taking the lead in projects wherever possible and have experience working solo / remotely and in small teams mentoring other developers. I always work to high standards and deliver maintainable and test driven software while keeping the end user in mind at all times.

I have consulted for enterprises of all sizes (Discover, RAC, PassivSystems, Jaguar Land Rover, Good Energy, et al) and enjoy communicating with the client and all stakeholders throughout a project.

Favouring a functional / declarative approach to programming, I always seek to lift as much of a codebase into pure functions as possible, where it can be written into utilities / libraries, tested then executed on both the client and the server.

As a UI expert I have extensive experience with animations and feel equally at home styling interfaces with JavaScript as I do with CSS precompilers. I have also become a keen advocate of PWA's and conform to best practices (e.g. responsive design, cross browser development) whilst retaining solid commercial experience of App store deployment.

Having worked end-to-end on many large projects I am comfortable taking on all of the above alongside other responsibilities, such as writing CI build scripts, designing databases, architecting API's, keeping fine grain version control of codebases on the command line and working in multiple OS environments.

See below for a [selective list the applications I have developed over recent years as a contractor](#). For more info / links, please visit: edwilliamsdevelopment.com

PREVIOUS CONTRACTS

COPIO

Jan 2019 - Present

As COPIO founder I have built (evenings and weekends) an enterprise image processing App targeted at musicians

COPIO App / COPIO Api

- AWS DynamoDB to store user and image meta
- AWS S3 to store images
- Offline-first React App with bespoke syncing algorithm, Service Workers and Material UI
- Bespoke JWT auth system with reCAPTCHA
- PDF and PNG processing with Web Workers and thresholding

Discover, Farnborough

May 2019 - March 2020

In this UI Tech Lead role I have been contracted to lead a team of developers to rebuild part of Discover's Enterprise Payment Platform (EPP)

Enterprise Payment Platform

- Migrating enterprise legacy Angular codebase to React
- Leading a team of developer with mentoring responsibilities
- Achieving 80% test coverage (Jest / Enzyme)
- Collaborating with third-party agencies in the overall delivery of other EPP Apps
- Making architectural design pattern decisions (Redux / Bespoke Component Libraries / etc)
- Working with a distributed team across multiple time zones
- Other Tech Lead duties (e.g. ensuring best practice, liaising with project management, etc)

RAC, Bristol

March 2019 - May 2019

In my role at RAC I helped finish a rebuild of a critical part of their website.

RAC - UK Breakdown Cover

- Recruiting and onboarding a team of developers
- Migrating from Angular 1 to Angular 7
- Fixing UI bugs
- Delivering to tight fixed deadlines

PassivSystems, Newbury

January 2017 - March 2019

As sole App developer at PassivSystems, I rebuilt heating the PassivLiving App from a small legacy Ember codebase to an enterprise grade WebApp deployed to both the App Store and Google Play (via Cordova).

PassivLiving App

- Working independently to build enterprise-grade React / Redux App
- Engineering UI updates around a bespoke long polling system
- Writing bespoke SVG and WebGL animations to represent heating states within the app
- Translating proprietary business logic into standalone JavaScript libraries
- Writing and maintaining unit tests and working with QA in integration testing
- Initial maintenance then migration of legacy codebase (*Ember*) and build systems (*Grunt / Gulp*)
- Leading regular stakeholder meetings to plan new feature architecture
- Debugging via device emulation in Xcode and Android Studio
- Writing and updating Webpack and Jenkins build scripts
- Maintaining and utilising Cordova plugins
- Exposure to IoT via PassivSystems hardware (e.g. Smart Thermostats, Hubs, etc)
- Assisting with wireframe development with City University students (*MA UX*)
- Working with contract designers to realise wireframes into designs / animations

Virtual Forge, Holt

August 2016 - November 2016

I rebuilt a core piece of functionality of the Jaguar Landrover e-learning system, based on new designs, and worked closely with other developers to integrate this with their existing bespoke platform.

Jaguar / Landrover Learning Platform

- Building the UI in vanilla Javascript due to support requirements (borrowing heavily from Angular's design pattern)
- Working as part of a distributed national and international team
- Performed large scale CSS refactor and legacy JS support (inc. KnockoutJS)
- Using VM's to integrate into a .NET workflow, inc. TFS version control and Razor templates in Visual Studio
- Browser support stretching back to Internet Explorer 8

Dare West, Bristol

June 2016 - August 2016

*I joined Dare West as a Fullstack Developer to assist them in completing a site rebuild for the **School of Economic Science**. I continued with Dare West as a Frontend Developer to work on their project with **Good Energy**.*

EDUCATION

Exeter University, PGCE - 2005 - 2006

Dartington College of Arts, BA (Hons) Music Composition - 2002 - 2005