

Ed Williams

+44 (0) 7599 166144 - edwilliamsdevelopment@gmail.com - edwilliamsdevelopment.com

PROFILE

As a Full Stack Developer, I have many years experience in building robust and scalable WebApps and Node API's, with recent and in-depth experience of building PWA's and MicroApp architectures.

I enjoy taking the lead in projects and have recruited and mentored many 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 Financial Services, RAC, PassivSystems, Jaguar Land Rover, Good Energy, et al) and enjoy communicating with the client and all stakeholders throughout a project.

I favour a functional / declarative approach to programming and always seeks 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.

I have become an advocate of utility-first CSS frameworks but I am equally at home styling interfaces with Javascript or SASS. I am also able to employ a range of animation techniques, from CSS animations to SVG or WebGL.

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, keeping fine grain version control of codebases on the command line and working in multiple OS environments.

I have experience in developing projects in the cloud using serverless functions, bucket storage and multiple NoSQL databases, and have experience in deploying these technologies on a private cloud.

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

Open Space Network (OSN)

Oct 2020 - May 2021

React PWA and API for OSN's co-working platform

OSN App

- Led entire development project, acting as CTO
- Recruited Junior Developer to assist with this Innovate UK funded project
- Wrote API with Express / MongoDB, integrating Stripe, SaltoKS and event streams from bespoke IoT devices
- Leading development for Cardiff Uni's IoT team
- Socket.io for WebSocket chat application
- All styling with Tailwind
- All development remote and part-time due to Covid-19

Passiv UK, Newbury

March 2020 - Present

Implemented new designs as React PWA and refactored App into MicroApp architecture

Enterprise Payment Platform

- Introduced a runtime MicroApp architecture
- Utilized MicroApp architecture to manage state at a high level without need for Redux or similar
- Designed custom Webpack architecture facilitating a Monorepo approach
- All styling with Tailwind
- All development remote and part-time due to Covid-19

Discover, Farnborough

May 2019 - March 2020

Lead a team of developers to migrate Discover's Enterprise Payment Platform apps from Angular to React.

Enterprise Payment Platform

- Migrated enterprise legacy Angular codebase to React
- Lead on architecture design patterns (Redux / Sagas / Bespoke Component Libraries / etc)
- Led a team of developers with mentoring responsibilities
- Achieved 80% test coverage (Jest / Enzyme)

- Worked 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

Finished a rebuild of RAC's European Breakdown Cover.

RAC - UK Breakdown Cover

- Recruited and onboarded a team of developers
- Migrated from Angular 1 to Angular 7

PassivSystems, Newbury

January 2017 - March 2019

Migrated legacy Ember App to React via a microapp architecture and deployed to both the App Store and Google Play via Cordova.

PassivLiving App

- Sole app developer for enterprise project with 1000's of active users
- Designed all UI updates built around a bespoke long polling system
- Wrote bespoke SVG and WebGL animations to represent heating states within the app
- Unit tested utilities and libraries
- Led regular stakeholder meetings to plan new feature architecture

Virtual Forge, Holt

August 2016 - November 2016

Rebuilt part of Jaguar Landrover's e-learning system.

Jaguar / Landrover Learning Platform

- Built the UI in vanilla Javascript due to support requirements (borrowing heavily from Angular's design pattern)
- Integrated into .NET workflow (i.e. TFS version control, Razor templates, Visual Studio, etc)
- Legacy support for Knockout JS
- Legacy browser support stretching back to Internet Explorer 8

Dare West, Bristol

June 2016 - August 2016

*Fullstack Developer to complete site rebuild for the **School of Economic Science**. Frontend development to complete **Good Energy's** quote engine.*

EDUCATION

Exeter University, PGCE - 2005 - 2006

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