

# Daniel Chadwick, Software Engineer.

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Software Developer at i6 working with React, JavaScript/TypeScript, Jest, React Testing Library, Redux, LESS, i18n.

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## Summary

**Software Developer, i6 Group**

**Jun '21 - Present**

Frontend Developer

Jan '22 - Present

Software Developer

Jun '21 - Dec '21

Currently at i6, I am working with:

- React, JavaScript/TypeScript, Jest, React Testing Library, Enzyme, Redux, LESS, i18n,
- Webpack, Babel, ESLint, Prettier,
- GitHub, CircleCI, MongoDB, GCP, Jira.

I work within the Frontend Centre of Excellence (guild). Within this team, I have been spearheading the migration of our legacy systems to React. As part of my efforts migrating legacy UIs, I have also been upgrading our existing React i6 code to the latest standards including rewriting existing Enzyme tests to React Testing Library, and ensuring deprecated approaches are now rewritten to modern, functional, React using Hooks/Context.

Within my current project, I migrated a legacy UI which had zero code coverage, to a React application with 90% code coverage over all components, containers and utility methods using Jest and React Testing Library.

I have been working also as an Agile co-ordinator and running our standups, retrospectives and planning sessions for our sprints - as well as my commitments as a developer. I have also continued mentoring and onboarding Junior Frontend Developers, and training them on our agile processes, software development processes, and also upskilling their core frontend skills through a design course I prepared and delivered.

When I began working at i6 Group I mainly was developing PHP7/Symfony, JavaScript, HTML, LESS, Twig/Mustache, MongoDB. At the end of 2021, I completed the transition period to a new product team tasked with migrating our legacy importers to a new microservice. The microservice followed a monorepo pattern with a backend written in NestJS, and a frontend written in React, LESS, and also reusing our common components library.

**Developer, Wren Kitchens**

**Jul '20 - Jun '21**

Junior Developer, Wren Kitchens

Jun '19 - Jun '20

Before leaving this role, I was building a Node.JS, and TypeScript Microservice which would interface between our internal sales system and a third party leveraging RabbitMQ, REST APIs and Apache Tinkerpop Gremlin.

On a day to day basis, I was using technologies listed in my profile such as:

- On the frontend using: HTML, Twig, Webpack (Encore), JavaScript, LESS, React,
- On the backend: Node.JS, Express, TypeScript, Symfony 5, PHP7.3,
- MySQL8, and Doctrine ORM,
- AWS: S3, CloudFront.
- Git, RabbitMQ, static analysers, and testing suites.

- CI/CD is managed on a Jenkins automation system using our Dockerised environment which ran our pipelines, and builds.

As part of my day to day, I also mentored our Graduate and Junior Developers with specific coding standards, latest coding practices and general technical guidance around the role.

I also worked on implementing our bespoke E-Commerce system at Wren Kitchens. This was accomplished with PHP (APIs and business logic), Twig, LESS for styling and linked to our core MySQL8 database. Orders will be placed on our customer facing website and take payments via Worldpay and communicate back to our monolithic sales system. I have worked on all parts of the checkout process from API endpoints on our CRM, checkout setup on the customer facing website, revamping our base templating and styling to enable an intuitive user experience all using HTML, LESS and JavaScript.

Starting off on the TREK team I worked on the start of a new Route Optimising system for our logistics/surveying network. The project was originally a Symfony 3.4 (PHP7) application using Assetic as our LESS/JS bundler within the project. I personally:

- Upgraded the project to Symfony 4.3 and Webpack Encore,
- Removed deprecated packages, mainly Assetic, and updating any legacy code within the application,
- Added Webpack Encore to bundle our styling and JavaScript,
- JavaScript refactored to ES6 using import/exports, removing jQuery.

## **Full Stack Developer, J&B Group**

*(part time)* **May '17-Sept '18**

### **IT Apprentice**

**Jan '15 - Sept '16,**

- PHP 5.6, MySQL 5, HTML, CSS, JS, and managed technology stacks for all brands,
- Maintained and developed plugins for: Opencart, Magento, osCommerce sales platforms with a Commercial off the shelf (COTS) stock management system,
- COTS system was queried using a SOAP XML API for order processing and queried directly on their PostgreSQL DBMS,
- Integrated with 3rd party courier services such as Yodel and DPD for domestic and international order fulfilment,
- Managed on onsite VMware server running CentOS6/7 VMs,
- Internal systems development including order processing, logistics, and business reporting.

Between 2017-2018 I worked part time as a Full Stack Developer whilst studying at the University of Hull doing similar tasks to the aforementioned role.

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## **Education**

### **BSc (Hons) Computer Science, University of Hull**

**Sept '16 - Jun '19**

- Mainly used C# for both Desktop application development but also included work around ASP.NET Framework and Console applications.
- For my dissertation, I developed a COTS application leveraging C# for stock management, Android for a barcode scanning application which queried a bespoke PHP RESTful API.
- Also built on my knowledge of PHP applications in some modules - including a web development course.
- Worked with JavaScript within a Canvas application and client side dynamic features,
- Improved database techniques using MySQL, PostgreSQL, Oracle and MSSQL.

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## **Interests**

Personally, I am a driven individual and enjoy participating in and following sports including Basketball and American Football. I also enjoy running, cycling and have completed a half marathon all while staying active at the gym.

Technology wise, I enjoy keeping my skills up to date and enjoy continuing learning new skills. This includes React Native (and React Native Web), Expo, NextJS, and Styled Components. Just anything I wouldn't usually get to work on in my day job.