

# Joseph Case

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Portfolio: <http://portfolio.josephcase.net>

## Personal Profile

A bright, well-rounded and enthusiastic Full-Stack Developer with over 4 years professional experience; relishes new challenges, learning through work and personal study and creating high quality, well coded applications. Understands the importance of writing 'lean', scalable and easy-to-maintain code.

## Key Skills and Experience

- Considerable front-end **Javascript** experience, with a thorough understanding of DOM behaviour. Has created numerous single page applications with complex user interactions, animations and canvas components.
- Substantial experience building **NodeJS** applications, uses the latest best practices (**ES6**, **Promises**, **Async Await**) to build clean, scalable applications.
- Built from scratch a custom-made **NodeJS/mysql** CMS application for a client website, which allows the user to create new pages and uses **npm ImageMagick** and **Ffmpeg** wrappers to save optimised versions of uploaded image and video content ([portfolio#artistPortfolio](#)).
- Excellent knowledge of **React** and **Redux**, having solely developed a **React/Redux** single page application ([www.giusypirrotta.com](http://www.giusypirrotta.com)) that renders on the server and uses **React Router** to navigate, pulling data from the **Redux** store without making further server requests.
- Greatly improved the efficiency of the development team by building an effective development tool in **PHP**, that converts PSDs into, and enables to editing of, fully responsive, full-page **HTML** ad templates ([portfolio#adBuilder](#)).
- Took the lead in the successful delivery of a new CMS-based client website, written in **VB.net**. ([www.classic-collection.co.uk](http://www.classic-collection.co.uk)) which pre collates **SQL** data for each page and writes as **XML** to a master table, which the site reads from enabling faster page loads.
- Expertise in delivering elegant responsive, cross browser/device compatible websites, that can adapt to dynamic content, using well structured **HTML** and **CSS**.
- Solid understanding and good experience using different versions of **SQL** (**SQL**, **mysql**, **Oracle SQL**).
- Experience leading a development team, making key decisions and solving key challenges.
- Great interpersonal skills. Enjoys the discussion of best approaches and practices to technical problems and working within an **Agile** environment.
- Experience working with a micro-service architecture using **APIs** and message queues (**RabbitMQ**) to create scalable, modular applications.
- Strong understanding of build tools (**Webpack**, **Grunt**, **Gulp**, **NPM**, **React-Scripts**) and transpilable languages (**Sass**, **JSX**, **ES6**).
- Experience working with **Dockerised** applications.
- Good understanding of **Test Driven Development** and the different types of testing that make up the **Test Pyramid**.
- Good functional capability with **Linux** and **Bash** having worked daily within a **Linux** VM development environment and contributed to the maintenance of team's test VM.
- Experience working with **AWS**, having deployed a website, CMS and API to an **EC2** instance, using **httpd** for routing and **upstart** scripts for their execution on server start.
- Good **Photoshop** skills, able to accurately replicate designs in **HTML/CSS**.
- Experience working in a **Continuous Integration** environment (**Jenkins**, **Octopus**).
- Reasonable experience and understanding of **Perl**.
- Some understanding of **Ruby** having written a small test application.
- Understanding of non-relational databases such as **Mongo DB**.
- **Google Analytics** experience.

## Employment

### [www.giusypirrotta.com](http://www.giusypirrotta.com) – Private Work ([portfolio#artistPortfolio](#))

Nov 2017 – Jan 2018

- **NodeJS, React, Redux, React Router, mySQL, AWS EC2, CSS, JS (ES6), JSX, JWT, Babel, React Scripts.**
- Solely developed an artist portfolio website with a custom CMS consisting of 3 projects hosted on an **EC2** instance; a **Node REST API** ([github](#)) acting as a data layer over a **mySQL** database and image/video content, a **Node CMS** ([github](#)) and a **React/Redux/React Router** SPA website ([github](#)).
- CMS application streams uploaded images to the API which asynchronously saves them at different sizes using an **npm ImageMagick** wrapper, enabling the website to request optimised images based on the physical width of the element on screen.
- Created smooth 'app-like' single page application user experience - website app pre-requests all data needed for the user journey from the API and caches on the server. On request it then uses this to create a **Redux** store, renders on the server and then on the client uses **React-Router** to navigate by dispatching and then reading from the store, without the need to make further server requests.
- Used **JWT** for all non-GET requests to the API.

### **Jobsite (StepstoneUK) – Front End Developer**

Nov 2016 – Oct 2017

- **Node, Perl, Linux, React, CSS, JS, C#, RabbitMQ, Docker, GoogleAnalytics, Jenkins, Octopus, Gulp.**
- Worked as part of a remote team across the stack offering front end expertise.
- Greatly improved the user experience for niche sites by playing key role in making them responsive and modernising their designs - personally responsible for new homepages ([Cityjobs](#), [JustEngineers](#)).
- Improved the search accuracy and speed for niche sites by implementing a **Node** search engine which uses the group's elastic search index.
- Gained a good understanding of **Linux** and **Bash**, working within a **Linux** VM dev environment.
- Played key role in data migration of jobs to TotalJobs platform using **micro-service** pipeline.
- Wrote and extended tests for **Node** using **Mocha, Chai, Sinon** and **Supertest**.
- Worked within a continuous integration environment using **Jenkins, Octopus** and **Dockerised** apps.

### **Bluequest – Senior Developer**

July 2015 – Oct 2016

- **PHP, HTML, CSS, JavaScript, JQuery, Photoshop, Coffee, Sass, AS3 and Git.**
- Greatly improved productivity of the development team and enabled the company to make considerable financial savings, by developing an in-house **PHP** based ad-building tool, that converts layered PSDs into fully responsive, cross device **HTML** advertisements. ([portfolio#adBuilder](#)).
- After just 7 months was entrusted with leading the development team; to make key decisions, schedule work and resolve key technical issues.
- Improved developer productivity by developing a library of sophisticated, reusable **HTML5 canvas** components that handle complex animations and user interactions.

### **Bluequest – Software Developer**

Jan 2015 – July 2015

### **Intuitive Systems – Software Developer**

Sep 2013 – Dec 2014

- **VB.NET, ASP.NET, XML, XSLT, SQL, JSON, JavaScript and JQuery.**
- Took the lead in the successful delivery of a new client travel website ([www.classic-collection.co.uk](http://www.classic-collection.co.uk)).

### **Dovetail Services – Customer Service Advisor**

2011 – 2013

## Education

### **University of Manchester - BEng (Hons) Civil Engineering 2.2**

2008 – 2011

### **Borden Grammar School**

2001 – 2008

- A-Levels: Maths A, Further Maths B, Physics B and Biology C.

## Interests

Music, foreign language and culture, classical guitar, sport and travel.