

# <h1> Jack McGregor </h1>

Developer | Designer | Trainer

jackjwmcgregor@gmail.com

## <h2> Summary </h2>

Designing and building decoupled RESTful applications, primarily with React, NodeJS, Rails, PostgreSQL, MongoDB and Express. Fan of Test-Driven Development and Agile practices with a key interest in the marvel of DevOps.

Currently building a personal micro-services portfolio using GraphQL (with Apollo Server) and React with Redux and JWT authentication.

UI has always been a key factor in the way I build software, aided by knowledge of UX/UI software like Sketch, Illustrator and Photoshop, and I regularly go to UX/UI Meetups.

## <h2> Education </h2>

### **Web Development Immersive 26**

#### **General Assembly**

*March - June 2017*

#### **University of Leeds**

#### **BA Geography (2.2)**

*2008 - 2011*

## <h2> About </h2>

I took my first steps into the world of development in late-2015. Since then, I've completed the world-renowned Web Development Immersive course at General Assembly, worked as a front-end developer for Apple via WCRS, as an instructor for Sparta Global, where I led multiple pro-bono projects for clients such as Abbey Road Studios and The Circle of Intrapreneurs, and finally as a full stack developer for a leading player in the pension sector of financial services

In addition to these, I am a keen advocate of diversity and equality in tech, leading two instances of Code First: Girls (while assisting on a third) and multiple CodeBars. In October 2018 I also co-led the instruction of over 100 teenagers from minority backgrounds on how to code at Color In Tech. I also dabble in graphic design, becoming proficient in Adobe's Photoshop and Illustrator applications as well as Sketch.

## <h2> Experience </h2>

### **Cardano Risk Management**

#### **Full Stack Javascript Software Engineer**

*January 2019 - present*

*Assisting on the build of a portfolio management system to aid the business in making trades and transition away from spreadsheets and communal documents. The stack is full NodeJS, with React, Redux Saga and Jest on the client, making calls to micro Node APIs using GraphQL and Apollo Server. Unit testing of every component is standard practice and the stacks are deployed though multiple environments using a mix of Jenkins, Docker, Rancher, Octopus, AWS and Azure.*

### **Sparta Global**

#### **Instructor**

*November 2017 - January 2019*

Working at Sparta Global has been an incredible learning curve, enabling me to both solidify the skills learned in the preceding 12 months, from Sass and React to Rails and Express, to

learning new areas of the industry to a teachable level, like SDET (software testing) and DevOps.

#### **SDET (Software Testing)**

- Unit and API testing with RSpec (Service Object Models)
- Automation and User Acceptance testing with tools like Cucumber, Capybara and Selenium (Page Object Models)
- Introduction to Performance Testing with JMeter and Mobile Testing with Appium DevOps (in training)
- Leading the build of a regression test suite using Ruby, Cucumber and Capybara for Abbey Road Studios, with a focus on the e-commerce aspect of their website
- Leading the build of the first phase of the site for The Circle of Intrapreneurs, initially as a full Ruby on Rails app, then later as a decoupled 3-tier application (Rails API, React client and Postgres DB)
- Leading two instances of Code First: Girls, an organisation aimed at getting more young women into technology by running weekly sessions over an 8-week period on front-end development
- Bringing recycling into the company (not technical but still very important)

- Furthermore, Sparta's model trains consultants, so the development of professional soft skills was paramount, both for myself and for the students, so I was able to greatly improve my presentation skills, organisation, leadership & management and interviewing, to name a few.

## **WCRS (Apple)**

### **Front End Developer**

*July - October 2017*

This was my first job out of General Assembly which offered a period of stability in which to consolidate the wealth of information after the course. The role involved detecting and fixing HTML and CSS bugs using Apple's software infrastructure and SVN for version control. The contract involved being flown out to Silicon Valley for two weeks to work on the launch of the iPhones 8 and 10 (X), which was an incredible experience and insight to the inner workings of such a prestigious global player. In the first and last few weeks of the contract, when the workload was at its lowest, the team actively encouraged individual learning and pursuit of personal projects, aiding with technological exploration and consolidation.

Toward the end of my 3 month contract I was offered a permanent role but turned it down in order to pursue a more challenging, well-rounded opportunity with Sparta Global.

## **General Assembly**

### **Student**

*March - June 2017*

The Web Development Immersive course is well known and has a track record for delivering quality, modern developers. Coming from a self-taught background, the course was an eye-opening, brain-draining, all-round exhausting experience but one that I will be forever grateful for. It would be untrue to say that I understood all the material first, or even second, time around, but it was my first step into a wider world.

Some of the technologies taught included:

*CLIENT-SIDE : HTML5, CSS3 (& Sass), ES5 / ES6 Javascript (OOP-focus & jQuery), Bootstrap / Tachyons / Materialize / Bulma, Angular.js, Gulp, Grunt, APIs with Fetch and AJAX*

*SERVER-SIDE : Ruby, Rails, Express, NodeJS, Mongo, Nodemon, Mongoose, SQL / NoSQL, Yarn / NPM, SailsJS, EJS / ERB*

*PROJECT MANAGEMENT : Git and Github, Agile (mainly Scrum and Kanban with Sprints and Trello), Atom / VS Code, Slack, MS Teams*

## <h2> Interests </h2>

- Extensive practice with graphic design and UX/UI tools like Photoshop, Illustrator and Sketch. I love making digital art for friends and family. Most recent was Darth Vader riding an AT-AT into battle
- Involved in tech-based projects that try to make the world a better place, including being on the committee for the Circle of Intrapreneurs, leading two instances of CodeFirst:Girls, running multiple CodeBars, and leading the Color In Tech event in White City in October 2018
- Bit of a sci-fi movie / graphic novel nut, which pairs well with my love of fantasy books