

# MARK JONATHAN DAVIS

## Junior Web Developer

### PERSONAL BIO

A love for connecting moving parts is why I chose to do Economics and Spanish at university. Knowing that I didn't want to work in traditional finance but not knowing my definitive career path, I fell into managing cocktail bars and an eye for detail and continual want to learn put me in good stead. I wanted a change from the antisocial hours.

For me coding is just another language; create a foundation from which I can expand on independently. An aspect of self-education and desire to continue in a dynamic industry lead me to code in my spare time and the course at GA seemed the perfect fit to kickstart that change. I can't wait to dive into the industry in a professional capacity and keep learning every day.

### EXPERIENCE

#### TEACHING ASSISTANT: GENERAL ASSEMBLY - MAY 2017 - CURRENT

On finishing the course, I was chosen to become part of the Instructional Team on the Web Development Immersive course. Having loved the course, I felt I could pass my experiences on to new students and cement my knowledge. In my role I run all of the labs and homework sessions for the students. I introduce what is required of them, prepare the starter code, where applicable, and readmes for them to follow. In addition to assisting students in class, I help run homework reviews, code-alongs and assess homework submissions.

#### WEB DEVELOPMENT IMMERSIVE: GENERAL ASSEMBLY - JAN - APR 2017

WDI is a three month full stack web development course designed to teach students the soft and hard skills necessary for working in the tech industry. Intensive learning of techniques such as Agile web development and TDD are used alongside modules learning JavaScript and Ruby, with frameworks such as Node, Rails and Angular.

#### RITEMOVE

=> <https://github.com/markjdvs/project-3>

A group project that provides a platform for finding rental properties as a group. This is an Express app with an Angular front-end. An enjoyable challenge I found during this build was finding a way of adding users to groups and rendering this live addition on the page. Using resource promises, I filtered through the users based on the user's input and on a click the specified user was added to the group and rendered inside the "added" section of the group. Another issue required population of two models in both directions. Referenced models didn't allow such relationships, as I needed the id of a model's instance before it was created. I solved this issue using a pre-save lifecycle hook to attach a virtual to the new instance and then populated this using Mongoose's built-in feature.

ANGULARJS, MONGODB, NODEJS, UI ROUTER, MONGOOSE, UI BOOTSTRAP, SATELLIZER, CHART.JS, NGRESOURCE, JWT

#### GUIDEBLOG

=> <https://github.com/markjdvs/project-4-api> || <https://github.com/markjdvs/project-4-frontend>

A voluntarily pair-coded project built with a Ruby on Rails back-end API, an Angular front-end and JWT authentication. This mobile-first app is driven by users' blog posts from visiting areas around the world. This creates clusters of interest across the globe that new users can tap into in order to plan future trips. I used custom serializers to attach attributes to "stops" along a user's trip. I wanted to ensure that the ratings were reflective of people who had visited these places, so the average rating attributes that I attached to these stops were an average across all associated posts. Another aspect that we wanted to employ was user-driven voting of posts that were deemed truthful and/or useful to users. By integrating the Acts As Votable gem, writing custom methods and serializing this data once again, an overall vote tally was provided for each post to the Angular app out front, lightening the load and ensuring the speed of our app was not diminished.

RUBY ON RAILS, ANGULARJS, POSTGRESQL, ACTIVEMODELSerializers, CARRIERWAVE, FOG::AWS, ACTS AS VOTABLE

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## BETWEEN MANY FERNS

=> <https://github.com/markjdvs/project-game>

A moving puzzle game with similar logic to that of Candy Crush. During the build, the first short sprint to a 3 by 3 grid meant that I could see a scaleable solution early on during the project. I began again from scratch as major functions required near complete redefinition. Calculating the particular geometric patterns required to make these scaleable functions was the biggest issue I encountered. By nesting a loop within a loop I could pass through the index from the first to the second, which allowed these functions to check and remove matching chains of symbols across two axes. The board size now depends on one variable at the beginning of the code, and fully functional regardless of its value.

JAVASCRIPT, JQUERY, CSS, HTML5

## LAST.DRANK

=> <https://github.com/markjdvs/project-full-stack-app>

A fun, user-driven app for finding recommendations to preferred cocktails. Built with an Express back-end, using session-type authentication and OAuth Github & Facebook authorisations, and a jQuery front-end, this was very much an app after my own heart. It is an app that helps you to try something new and different, but still to your taste. I used the Tesco API to normalise the recommendations' main ingredient of new entries, which makes a request based on the user's input. The vast data response from the API needed thorough filtering and the necessary attributes of the product passed through to the database using hidden inputs.

JAVASCRIPT, EXPRESS, MONGODB, MONGOOSE, AWS, SCSS, GULP, BOOTSTRAP, EJS LAYOUTS, BCRIPT, BLUEBIRD, MULTER

## SKILLS

FLUENT	CONVERSATIONAL	BASIC
DAILY STANDUPS	POSTGRESQL	MOCHA
TRELLO GROUP	BALSIMIQ	CHAI
EXPRESS	TRELLO	TDD
NODE.JS	AWS	REACT
JQUERY	YARN	HEROKU
AGILE	RUBY	
GITHUB	RAILS	
SPRINTS	MARVEL	
MONGODB		
JAVASCRIPT		
ANGULARJS		

## EDUCATION

Web Development Immersive at General Assembly [London]	01/17 - 04/17
BSc in Economics & Spanish at University of Bristol	09/09 - 06/14

## INTERESTS

Teaching myself languages. I speak Spanish, a bit of French and I'm currently learning German. The concatenation seems pretty natural now after learning JavaScript.

I love making my own liqueurs and mixing my own spirits. My particular favourite is blending whiskies; mixing older expressions with young ones makes for a pretty unique and delicious result.

If you've got any recommendations for crime podcasts, please send them my way; I've just smashed Crimetown and need more!

Pickling and curing, breadmaking, hot sauce. Do the first three, collect the last. I've recently worked out that focaccia is the bread for all seasons and scenarios, and it's a dream to make. Beetroot and horseradish cured salmon is occurring more and more frequently at my flat and the fridge door has now become an ever-growing menagerie for all things spicy.