Richard Bates

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I'm a neuroscientist turned junior full stack developer. I have traded dissecting mice brains for designing web applications by jumping feet first into an intensive 12-week software development course at Makers Academy.

Skills

Fast learner

- I am confident in my ability to quickly learn any new technology following the intense nature of the Makers Academy course.
- For my final project, five weeks into learning Javascript and with no front end framework experience, my team and I completed a multi-platform mobile app built on top of NativeScript utilising TypeScript and Angular 2. None of these technologies were taught on the course, yet within two weeks MakeItStop! was presented and now awaits the app store!

Systematic thinker

- My scientific training has helped immensely in my approach to coding, by following logical steps and breaking down a complex task into smaller, distinct components.
- Makers Academy have instilled in me a problem-solving mindset to successfully debug code whilst also reducing its need via clean, maintainable code written in a test-driven manner. The rare bugs that do get through are squashed immediately!

Team player

- Having pair programmed throughout the Makers Academy course, I have learned to be an effective partner in communicating ideas, technical terms and thought processes.
- My time as a junior research scientist in a Neurovascular laboratory involved the presenting and sharing of results on a weekly basis to peers and collaborators from other departments and laboratories across Germany.

Drive

- I completed the intense bootcamp as a remote student. This required a great amount of will and discipline - skills that have been central in making the exciting career switch.
- This drive and determination is reiterated by my final project team members:

Reviews

"Showed fantastic initiative when coding tasks for the app." - Luke Cartledge

"Highly driven, focused and committed!" - Prashant Mathias

"A self starter. Hardworking and determined to complete the project." - Sam Broughton

"Some people have told me they don't think a fat penguin really embodies the grace of Linux, which just tells me they have never seen an angry penguin charging at them in excess of 100 mph. They'd be a lot more careful about what they say if they had." - Linus Torvalds

Projects

Demo	GitHub Repo	Description	Technology Stack	Testing
MakeItStop! Simulator	MakeItStop! on GitHub	A cross-platform native mobile alarm app for those who find it difficult waking up in the morning	NativeScript, Angular 2, TypeScript, Javascript, CSS, Xcode	Jasmine, Karma
Richagram	Richagram on GitHub	An instagram clone rebuilt with Ruby on Rails	Ruby, Rails, AWS, HAML, CSS, Bootstrap	Rspec, Capybara
Stockr	Stockr on GitHub	Hackathon group project built for wholesellers to easily update customers with their current stock	Ruby, Rails, HTML, CSS	Rspec, Capybara
Jesus BnB	Jesus BnB on GitHub	An Air BnB clone for those needing a place to stay	Ruby, Sinatra, HAML, CSS, Bootstrap	Rspec, Capybara

Education

Makers Academy Remote | July 2016 - September 2016

- Highly selective 12 week full-time course.
- Passion for clean, maintainable code.
- Independent learning and problem-solving.
- Focus on Pair Programming, Test Driven Development and Agile methodologies.
- Extreme Programming (XP) values.
- OOP, SOLID design principles.

Universität Heidelberg | September 2013 - August 2014

- Junior research scientist.
- Achieved first class mark for lab report.
- Contributed to published research on the neurovascular link.

Imperial College London | September 2011 - August 2015

- BSc Biochemistry with Research Abroad (Upper 2nd Class).
- Rector's scholarship recipient.
- Specialized in Neuroscience, Cancer and Glycobiology.

Interests

- Boxing
- Computer games of all genres
- Mountain biking
- Surfing

- Playing classical guitar

Experience

Welding Services Ltd | November 2015 - April 2016
Welder/pipe fitter

Imperial College Alumni Department | April 2011 - March 2012
Alumni student caller