Martin O'Brien Johnson

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Full-Stack Web Developer who approaches challenges with the experience of an Engineer. Driven with an expectation of excellence, I receive satisfaction by solving complex problems systematically. I enjoy the process of collaboration, the value of diverse talents and the growth that results from learning and experimenting.

TECHNICAL SKILLS

Databases: PostgreSQL, MySQL

Languages & Frameworks: Ruby, Rails, Sinatra, API Integration, JSON, HTML5, CSS3, Sass, Bootstrap, Foundation, JavaScript, jQuery, AJAX, Underscore.js, Backbone.js, Handlebars.js, D3.js, C3.js

Management & Deployment: RSpec, Git, GitHub, Heroku, Command Line

Methodologies: Object Oriented Programming, MVC Pattern, Test-Driven Development, Responsive Design, Authentication, User Stories, ERDs, Wireframing, Agile Development/Scrum

EDUCATION

General Assembly, Washington, DC
Web Development Immersive, October 2014
Back End Web Development, July 2014

University of Florida, Gainesville, FL
Bachelor of Science in Civil Engineering, 1999

WEB DEVELOPMENT EXPERIENCE

General Assembly, Washington, DC, January 2015 - present
Teaching Assistant - Back End Web Development
- Prepare and present class lectures.
- Provide one-on-one instruction during classes, online chats and office hours.
- Manage homework grading and feedback through GitHub pull requests.

General Assembly, Washington, DC, August – October 2014
Web Development Immersive Student
Full-stack web development program concentrated on common best practices in object-oriented programming, MVC frameworks, data modeling, and test-driven development. Created a portfolio of individually developed and collaboratively engaged projects. Projects include:
- **Senatorial** - Developed a one-page app featuring a Backbone.js front-end MVC framework, Rails backend, GovTrack.us and Capital Words JavaScript APIs, and data visualization using D3.js and C3.js.
- **NextBooks** - Created Ruby on Rails app with Sass framework, Devise gem Authentication, ActionMailer, RSpec testing and GoodReads Ruby API.
- **Mappetizer** - Collaborated on group-project app involving Mapbox and Eventbrite JavaScript APIs, ActionMailer and Foundation front-end framework.
- **Overnighter** - Built Ruby on Rails app featuring Devise gem Authentication, Google Maps Ruby API and PostgreSQL database.

OTHER EXPERIENCE

ADTEK Engineers, Fairfax, VA, 2007 - 2010
Vice-President of Civil Engineering/ Civil Department Manager

William H. Gordon Associates, Chantilly, VA, 1997 - 2007
Director of Engineering

Marquez, Hall and Johnson/ G. L. Marquez & Associates, Gainesville, FL, 1986 - 1997
Department Manager, Project Manager, Project Engineer, GIS Developer