Brad Sanders

Software Developer
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Technologies

Languages: Ruby ▪ JavaScript ▪ CSS
Frameworks: Rails
Libraries: React.js ▪ jQuery ▪ Fluxxor ▪ Backbone.js
Testing: RSpec
Version Control: Git
Database: PostgreSQL
Other: Elasticsearch ▪ Heroku

Experience

Full Stack Software Engineer - Dot and Bo
January 2016 - September 2016
Application Environment: Rails ▪ React ▪ RSpec ▪ Capybara ▪ Elasticsearch ▪ PostgreSQL

- Collaborated with engineering and product teams to design, architect and build a service oriented and seamlessly integrated e-commerce platform from the ground up. Platform consisted of a single headless Rails API and two separate React applications: the CMS and Storefront
- Integrated elasticsearch and refactored our API search controllers with an 80% decrease in complexity, normalizing search across the entire application using module inheritance
- Improved search functionality and the relevance of search results by refining elasticsearch query structures and document index analysis
- Designed and improved a number of data models, including a single extensible and encapsulated content object which represented all forms of content that was used on both the CMS and Storefront
- Wrote and enhanced advanced UI elements to improve internal workflow, such as a drag and drop algorithm, and real time search, sorting, and filtering capability
- Responsible for decreasing API response times by streamlining the building of JSON response objects and removing N+1 queries
- Maintained over 95% test coverage of our API layer by writing efficient, effective RSpec tests
- Developed tools to streamline our development process, such as test data population tools and elasticsearch reindexing shortcuts
- Maintained and improved a collection of legacy applications, including modifying outdated integrations to support more recent and relevant business logic

Software Developer - The Slade Dozier Foundation
July 2015 - Present
Application Environment: Rails ▪ jQuery ▪ PostgreSQL

- Integrated Braintree.js and ensured PCI compliance
- Manage application environments and their resources in Heroku for both staging and production
- Created an event registration system for public fundraising events
- Designed and implemented a data reporting system to send nightly emails to board members about daily site activity
- Responsible for all aspects of development as the only developer for this newly founded non-profit

Education

BA Chemistry ▪ The University of North Carolina at Chapel Hill ▪ December, 2009
Full Stack Software Development ▪ AppAcademy ▪ September, 2015

Other Experience

Instructor - RailsBridge

Technologies: Rails ▪ JavaScript

- Instructed students, from beginner to advanced levels, on web development concepts and engineering best practices

Projects

Grounded

Application Environment: Rails ▪ Backbone.js ▪ PostgreSQL

- Designed, architected, and built a crowd shared real estate platform as a demo site for a startup seeking investment
- Integrated Google API for enhanced UI with map visuals
- Developed admin access to allow editing of listings using the site's GUI
- Created a real time data population interface for users to gather data about a particular property using the Zillow API