Andrew Bonner

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Full Stack Developer experienced in the complete lifecycle of application development. Knowledgeable of data structures and algorithms. Well-versed in numerous programming languages, including JavaScript, Ruby, and Python. Familiar with various frameworks like React.js, Express.js, and Ruby on Rails.

Highlights

+ Web Development	+ Test Driven Development	+ Project Management
+ Coding and Programming	+ Application Deployment	+ Writing skills
+ Database Design	+ Information Architecture	+ Unconventional Creativity
+ MVC Architecture	+ Metadata	+ Collaborative Spirit
+ API Development	+ Data curation and the Data Lifecycle	+ Passionate Learner

TECHNICAL PROJECTS

Sorter (Github): Created with Ruby on Rails Framework. Utilizes MVC architecture. Powered by an ActiveRecord database with complex associations and validations. Authenticates and registers users with OAuth and Devise. Manipulates the DOM with JavaScript and jQuery. Tested with Rspec. Styled with custom CSS and Twitter Bootstrap framework.

TodoList (Github): Constructed with React.js library. Backed by a Ruby on Rails API. Utilizes RESTful routing. Manages state for both synchronous and asynchronous actions with Redux. Controls nested routes with React Router. Registers and authenticates users with isometric-fetch and JSON Web Tokens (JWT).

Bookster (Github): Built in Ruby and the Sinatra framework. Handles nested routes and nested routes. Engineered with MVC architecture. Powered by an ActiveRecord database with complex associations and validations. Contains custom user authentication and authorization system. Utilizes nested forms.

TripAdvisor Best (Github): Built in pure Ruby for the Command Line. Uses data scraper on TripAdvisor's web pages to deliver content. Prints content to CLI. Contains interactive CLI menu to customize data results. Designed with Object Oriented Programming principles. Deployed to Rubygems.org using Bundler.

EMPLOYMENT HISTORY

University of Notre Dame, Notre Dame, IN
Library Specialist, *September 2014 - Present*
+ Assisted employee competencies committee by conducting research, devising surveys, and drafting a final report.
+ Collaborated with team members processing daily in-house tasks and outside requests from faculty and students.
+ Contributed to special projects in Optical Character Recognition (OCR), 3D modeling, and space planning.
+ Targeted and fixed software client errors increasing loan request processing by approximately 50%.
+ Provided technical support for team members and patrons.
+ Wrote "stories" for the newsletter bringing attention to departmental accomplishments.

Simmons College, Boston, MA
+ Developed library website in conjunction with a small developer team.
+ Tutored students in computer programming and web development.
+ Devised preservation plans for digital images and videos collections through data lifecycle for an online only archive.
+ Conceptualized flexible metadata schema and designed robust databases.

EDUCATION

Flatiron School - *2017*
Full Stack Web Development, Ruby on Rails, JavaScript, and React.js

Simmons College - Boston, MA - 2017
Masters of Library and Information Science with a concentration in Information Science and Technology

Sewanee: University of the South - Sewanee, TN - 2017
Masters of Fine Arts in Creative Writing with a concentration in Fiction

Bethel College - Mishawaka, IN - 2014
Double Major in English Language and Literature and Liberal Studies

TECHNICAL SKILLS

JavaScript, Ruby on Rails, Python, Node.js, React.js, Redux, Express.js, Mocha.js, Heroku, Rspec, HTML, CSS, SQL