

James Lawrence Publicover

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Summary

Former editor turned programmer with obsessive attention to detail. Excellent team player—a proven leader with superior communication skills. Experience in explaining highly detailed technical information to non-technical stakeholders.

Skills

•Ruby •Rails •git •RSpec •Capybara •CSS •JavaScript •HTML •Ajax •SQL •Superior English skills

As A Programmer

eLicensee, TAG & ecoFlow, Ruby on Rails apps

RoR Developer for Dalcom Consulting, Spring 2019–present

- Maintain and add features to Rails apps that serve North Carolina: eLicensee for restaurant liquor board ordering, TAG for liquor board inventory control and ecoFlow for hazardous waste disposal, each with their own API handling JSON and XML export and import
- Modify apps based on user support tickets, including new controller actions, admin panels, database optimization, improved JSON export and integration with Windows Navision
- Individually write test suites (in excess of 500 individual specs) with RSpec and Capybara for the apps and their related API endpoints
- Lead the dev team of two in rewriting eLicensee, a 10-year-old app written in Ruby 1.8.7 and Rails 2.1.0

Empathy Lab, Ruby on Rails app

Freelance RoR Developer for dash creative, Winter 2019–Spring 2019

- Individually create an RoR app that allows market researchers to track and survey demographics
- User devise for authentication, Bootstrap for styling, and RSpec and Capybara for testing
- Create admin panel that allows admins to sort users by any sort of demographic criteria
- Uses mailers to remind users to take surveys on the site, which are linked to their individual profiles, and uses background jobs to email reminders if users have not taken the surveys

Personal Portfolio, Ruby on Rails app

Freelance RoR Developer for dash creative, Fall 2018

- Individually create an RoR app that shows development and writing projects
- User multiple mailers to allow users to get an email with my resume
- Create an admin panel with a hidden URL for updating as appropriate
- Use RSpec for testing and Bootstrap for styling

Dash Billing, Ruby on Rails app

Freelance RoR Developer for dash creative, Summer 2018

- Individually create an RoR app that dash clients can use to track invoices
- Include an admin panel for dash employees to generate invoices
- Implement authentication system from scratch
- Use RSpec for testing and Bootstrap for styling

The Super Dictionary, Ruby on Rails app

Freelance RoR Developer for dash creative, Spring 2018

- Individually create an RoR app that quickly makes simultaneous API calls to Oxford and Webster's dictionaries as well as Urban Dictionary and the Samuel Johnson Dictionary API created specifically for this project
- Create a voting system that does not use the Acts As Votable gem that lets users vote on the best definition for their needs
- Implement an authentication system from scratch and style with Bootstrap

Samuel Johnson Dictionary API, Ruby on Rails app API-only mode

Freelance RoR Developer for dash creative, Winter 2018

- Individually create a RESTful API with full test coverage that recreates one of the first dictionaries
- Includes custom error handling and token authentication with JSON Web Tokens
- Database was populated by building a web scraper using Nokogiri and Mechanize to transfer to plaintext all definitions from the public domain source

Dash Incubator, Ruby on Rails app

Freelance RoR Developer for dash creative, Fall 2017

- Individually create an RoR app that can be used by startup incubators to track members, tasks, assignments and the overall curriculum
- Create all authentication for different user types and styling from scratch
- Use AW3 for file storage and PostgreSQL for database
- Style a responsive interface from scratch using HTML and CSS

Armstand, Inc., Durham, NC—Rails Startup: Social Platform for High School Students

Freelance RoR Developer, Fall 2016—Spring 2017

- Add multiple features using Ruby, JavaScript, HTML, CSS and Bootstrap plugins
- Lead the team in unit and integration testing with Minitest, RSPEC, Capybara, FactoryGirl and Selenium WebDriver, changing Ruby codebase when tests fail
- Review HTML (generated through Arbre) for WCAG compliance, changing as necessary
- Troubleshoot the Postgres database

Ward & Smith, Raleigh, NC—Law Firm: Caseflow Engineer

Temp, Summer 2016

- Create scripts through the Caseflow IDE that can convey selection criteria for outgoing litigation documents

Beermath, Ruby on Rails app

Freelance RoR Developer, Spring 2016

- Individually create in Ruby a responsive web app that calculates the best value for different beers based on calories per ounce, ABV per dollar, ABV per ounce, calorie per ABV and other metrics
- Give Beermath the ability to import CSV files directly to the database and embed Google Maps
- Take down from Heroku due to ongoing sponsorship negotiations with specific NC breweries

Event Registration App, Ruby on Rails app

Freelance RoR Developer for dash creative, Spring 2016

- Customizable Rails app that exports CSVs and triggers automatic emails sold to three clients through dash creative to capture event registration

The Iron Yard, Durham, NC—Final Project: rider-app.firebaseio.com and farefairy.herokuapp.com
Student, Spring 2016

- On a team including frontend and backend developers, create a mobile-first Angular app optimized for Android that uses the FareFairy API to collect the time and price estimates from Uber, Lyft, Google Transit and the Taxi Fare Finder APIs
- On a team, create FareFairy, the completely open source and fully documented API built in Rails
- Individually responsible for the Lyft and Taxi Fare Finder API construction, the documentation (that was rebuilt from the broken swagger gem) and all the copy on each hosting site

The Iron Yard, Durham, NC—**Backend Engineering**
Student, Winter 2015

- Spend 60–80 hours per week studying computer logic and Ruby syntax, including expert-level development skills such as API development and integration, Rails development, and OAuth

As A Grammar Pro

- ❑ **figur8**, Boson, MA—*Freelance Writer and Editor, 2018*
- ❑ **Trone Brand Energy**, High Point, NC—*Copy Editor, 2012–2015*
- ❑ **Various**, Chicago, IL—*Freelance Writer and Editor, 2011–2016*
- ❑ **Illinois Network of Charter Schools**, Chicago, IL—*Communications Manager, 2009–2011*
- ❑ **Trone Advertising**, High Point, NC—*Social Media Manager: Uniroyal Tire account, 2007–2009*
- ❑ **AmeriCorps Project YES!**, Chicago, IL—*Team Member at the Vittum Theater, 2005–2006*
- ❑ **LECG**, Evanston, IL—*Case Assistant, 2004–2005*

Notable Clients

The North Carolina Lottery, The City of Chicago, Syngenta, Michelin, Uniroyal, Vittum Theater, Greenies Pet Treats, North State Communications, AT&T, Geneva Pharmaceuticals, Houghton-Mifflin Publishing, Caffey Distributing

Education

- ❑ BA in Poetry from Northwestern University
- ❑ Completion of the Iron Yard's Back End Engineering course focusing on Ruby on Rails