



Todd Blake

SOFTWARE
ENGINEER

PROFILE

-  toddkblake.com
-  [toddkblake](https://github.com/toddkblake)
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CONTACT

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SKILLS

RUBY
RAILS
JAVASCRIPT
JQUERY
REACT
REDUX
HTML
CSS
SQL
TDD
GIT
DESIGN

PROJECTS

DROPIFY - RUBY ON RAILS, POSTGRES, JAVASCRIPT, REACT + REDUX, HTML, CSS

[Link](#) | [Github](#) | *Full-stack music streaming web application inspired by the Spotify Web Player.*

- Created reusable, DRY React components, improving code maintainability and scalability.
- Implemented Rails polymorphic associations to make users and playlists followable and eager load associated data, reducing database queries and improving performance.
- Utilized Redux to conditionally render dropdown menus for more predictable behavior.
- Developed a script to efficiently extract tag information from hundreds of MP3s and seed a PostgreSQL database linked to an Amazon Web Services S3 cloud storage bucket.

2048 - JAVASCRIPT, REACT, HTML, CSS

[Link](#) | [Github](#) | *Sliding-block puzzle game inspired by 2048.*

- Followed object-oriented design principles to separate game-state and visual rendering to ensure consistent behavior while enabling visual animations.
- Leveraged React's virtual DOM 'diffing' algorithm to improve rendering performance.
- Applied native DOM touch event handlers to enable play on touch screen devices.
- Integrated React and CSS3 Transitions to animate tile movements for an interactive UI.

jDOM - JAVASCRIPT

[Github](#) | *Lightweight JavaScript library for manipulating DOM elements inspired by jQuery.*

- Applied native DOM API to control DOM manipulation, AJAX requests and event handling.

EXPERIENCE

COMMUNICATIONS COORDINATOR @ BAPTIST HEALTH

Oct. 2015 – Dec. 2016

- Developed content, architecture and design for website on domain w/ 50k+ mo. visitors.
- Oversaw electronic healthcare record compliance, preserving 4% of revenue (over \$100k).
- Analyzed operational data and healthcare related quality metrics using Excel Macros.
- Coordinated and produced all digital and print marketing using Adobe Creative Suite.

WEB DESIGNER @ ERICA BROWN PROMOTIONS

Aug. 2011 – Sep. 2015

- Designed responsive websites on Wordpress using custom HTML, CSS and JavaScript.
- Integrated third-party productivity utilities, marketing suites and ecommerce solutions.

DATABASE ADMINISTRATOR @ NAI HALLMARK PARTNERS

Sep. 2013 – Jun. 2015

- Customized and deployed Salesforce.com CRM database with over 18,000 records.
- Led company website redesign, focusing on a responsive, interactive and engaging UX.

EDUCATION

SOFTWARE ENGINEERING @ APP ACADEMY

Dec. 2016 – Mar. 2017

- 1000-hour software engineering bootcamp with a 3% acceptance rate.

BUSINESS ADMINISTRATION @ UNIVERSITY OF FLORIDA

Aug. 2009 – Aug. 2014

- Graduated summa cum laude with a 4.0 GPA. Perfect (800) SAT Math Score.