Daniel Hernandez
Software Engineer

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SKILLS
React, Redux, Node.JS, MongoDB, Express, JavaScript, Ruby, Rails, HTML5, CSS3, Sass, SQL, GraphQL, Apollo, Docker Mocha, TDD, Rspec, Jasmine, GIT

PROJECTS

Learning Hall   (Rails, Ruby, AWS S3, React.js, Redux, PostgreSQL, Webpack, Docker, PostgreSQL)   live|GitHub
A Single Page Application, built on Ruby on Rails, React, and the Redux cycle with RESTful routes.
- Harnessed **Redux** single-state management to streamline communication between backend and frontend architecture and implement well-rounded **CRUD** functionality, letting users update a task on a course seamlessly
- Capitalized on Redux patterns to maintain a reference to an active course slice of **front-end UI** state
- Used **model level validations** to require complete input from the user on account creation along with useful **error rendering**
- Applied custom routes and **user auth** on the backend and frontend to prevent unauthorized access to protected routes

Save a Stray (React, Redux, Node, MongoDB, Express, GraphQL, Apollo)   live|GitHub
An app enabling animal rescues to maximize adoption rates using the MERN stack with GraphQL and the Google Maps API.
- Implemented a **REST API** to utilize Google and Facebook **OAuth** on the Express /Node.js Backend
- Incorporated a **GraphQL SOAP API endpoint** integrated with an Express server and an Apollo store
- Used **whitebox testing** to ensure functionality and integrity of the content

Job Harmony (React, Node, MongoDB, Express, GraphQL, Apollo, Docker)   live |GitHub
Used by job seekers to find a job based on their skills and merits.
- Implemented **User Authentication** by encrypting user details via the **JSON Web token** library to be sent over HTTP using **Axios** to be decrypted via the JWT-Decode library on the **React UI** frontend
- Created **custom API endpoints** on the MongoDB, Express backend that allotted for a user to narrow down the job results
- Simulated a demonstration user login using an **asynchronous JavaScript** function
- Managed the backend with **Express** web application framework for **Node.js** runtime environment, and **MongoDB** for data

Awesome JS Game (Node.JS, JavaScript, HTML5, CSS3)   live|GitHub
A responsive JavaScript game that tests you on basic arithmetic questions.
- Leveraged HTML **Canvas** utilizing frame animation and paired it with **event listeners** for an intuitive control system
- Created a light-weight game engine using **object-oriented programming** to achieve physics and collision detection

EXPERIENCE

Freelance Web Developer
Brainy Developer   Jan 2017 - **Current**
- Worked closely with small to medium sized businesses to develop high-quality eCommerce/ specialized web applications using React, Redux, Node, MongoDB, Express, JavaScript, Heroku, Hostgator, and WordPress
- Interacted directly with clients to **breakdown complex technical requirements** and design/develop unique website UX/UI functionality using JavaScript, HTML, CSS, and React.js
- **Refactored legacy codebases** using modernized tech such as React, Node, MongoDB, Express, GraphQL, Apollo, & Docker

Teaching Assistant & Tutor
Lake Land College   Aug 2017 - May 2018
- Tutored students to prepare them for exams and quizzes for topics like **HTML5**, **CSS3**, **JavaScript** and **Python**
- Assisted in the development and research of new course delivery systems for the **software engineering** department, such as OBS, replit, and **Linux** based **AWS workspaces**

Freelance Computer and Smartphone Repair Technician
Phones For Fast Cash   Feb 2015 - Jan 2019
- Performed over 500 field repairs on smartphones/ laptops/ tablets while focusing on delivering industry standard repairs

EDUCATION

Web Development - *App Academy | Spring 2019 | 1500+ hour curriculum with < 3% acceptance rate*
IT–WEB TECHNOLOGY - *Lake Land College | 2018- 2019*