Michael Iodice

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Github | LinkedIn | Portfolio | Blog

Full Stack Software Engineer

Experienced in Ruby on Rails, JavaScript and React with a background in Real Estate Portfolio Management and Development. Strong skills in project management and experience in working in chaotic environments. Skilled in identifying the unspoken needs within individuals, projects and processes.

TECHNICAL SKILLS

Ruby / Ruby on Rails, basic SQL, ActiveRecord, JavaScript, React / Redux, Arduino/C++/IOT devices, GitHub

TECHNICAL PROJECTS

Automobile Emissions Analyzer - github | UsefulTool.com | demo
A React / Redux application comparing emissions data for any vehicle in the US federal database.
- Utilizes multiple APIs and graph libraries to transform inaccessible API data to a consumable format and facilitate the transfer of knowledge via a simple chart
- Electric Vehicles calculate attributable emissions with Britain's Electric Utility API, showing real time emissions
- Generates state dynamically to allow future expandability to compare as many vehicles as user desires at a single time

Sol-Search - github | sol-search.com | demo
An MVC full stack Rails application serving as a marketplace for renewable energy which significantly decreases the friction involved with pairing consumers and producers for renewable energy projects
- Implemented Google OAuth to verify user accounts and 'confirm email' feature for manual signups to reduce spam
- Production code hosted to Heroku to enable public use of website
- Structured Postgres users table as a self referential join with ActiveRecord, enabling users to enter contracts as producers or consumers with a single account allowing for a seamless experience
- Email notifications provide instant updates when contracts are modified to maintain deal momentum

Motivational Box github | demo
A scratch made web connected lockbox complete with task list application. Box unlocks itself upon task list completion from a smartphone, optimized for minimum power consumption
- Used a low cost wifi enabled microcontroller to host a web server that triggers different hardware actions depending on which route is requested from the companion application
- Addition of small screen allows users to configure the box to their phone application, and greets the user with a fun message as they complete their tasks and the lock opens
- Utilized MIT's App Inventor tool to create the task list application, added a database to provide persistence and allow tasks and status to repopulate after application is closed

EXPERIENCE

Chatham Development Co.   Newton, MA
Project Management, Portfolio Management   09/2013 - 03/2020
- Spearheaded sales of 7 large properties totaling $85mm over a 3 year period on behalf of owners
- Entrusted to take lead role in coordinating legal defense of frivolous lawsuit subject of $65mm of trust assets
- Advised client on expense recovery strategies, resulting in full recovery of wages, legal fees and recovery of unpaid trustee fees resulting in an additional $1mm for our client

Brown Brothers Harriman   Boston, MA
Senior Client Account Manager, ETF Service Group   07/2010 - 08/2013

EDUCATION

Flatiron School   Full Time Online, Castle Rock, CO
Full Stack Web Development, Ruby on Rails and JavaScript   09/ 2020 - Current

Boston University   Boston, MA
Bachelor of Arts in Economics   05/ 2009