

William Lemus

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EXPERTISE

Javascript, Ruby, Rails, React, Redux, C++, HTML5, CSS, RSpec, Canvas, jQuery

EXPERIENCE

Technical Client Manager

Trayport Inc

New York, NY

May 2015 - Mar 2017

- Revamped a client VB script that interacted with our in house API that was used to assist in database migrations, reducing migration time by half.
- Created a C# program to automate data collection on user and groups permissions, eliminating human intervention and errors.
- Restructured monthly metrics to increase accuracy, run time, and robustness.
- Assembled sql reports for internal stakeholders to help with Business development.
- Advised financial institution traders and interdealer brokers on how to use technology.
- Analyzed viability of pursuing brokers in several OTC commodity markets.

Trading Platform Engineer

Fidessa corporation

New York, NY

Jan 2011 - Apr 2015

- Augmented leading trading platform through use of proprietary language and TCL.
- Updated and generated SQL reports that were used by clients to determine net gain/loss and adherence to standards of compliance and auditing.
- Advised major Brazilian client on appropriate software use as an onsite consultant.

PORTFOLIO

Striv | (React/Redux, Rails 5, Google Maps API)

Live: <https://striv.herokuapp.com> | Github: <https://github.com/williamlemus/striv>

- Single page RESTful workout tracking web application built with a React/Redux frontend and Ruby on Rails backend.
- Utilizes Google Maps API in order to plan and display routes and to ensure proper workout information.
- Leverages AWS to increase reliability and scalability of image retrieval.
- Optimizes database access by pre-loading data and indexing to mitigate performance costs with database access.
- Authenticates users by implementing Authentication pattern using BCrypt ruby gem.

DataBridge | (Ruby)

Github: <https://github.com/williamlemus/DataBridge>

- Lightweight ORM built using Ruby.
- Produces model classes to abstract database tables.
- Supports has many, has one through, and belongs to associations.
- Intelligently decides whether to update or insert new row into database table.

ForestFireSim | (JavaScript)

Live: <https://williamlemus.github.io/ForestFireSim> | Github: <https://github.com/williamlemus/ForestFireSim>

- JavaScript application that models fires propagating in forest built on Canvas.
- Provides users with option to set probability that fire will spread to other tree.
- Users can select point to start fire or have application choose it for them.
- Displays statistics on fire spread.

EDUCATION

CUNY Hunter College - 2017

BA Computer Science and Physics

AppAcademy - 2017

- 1000-hour immersive full-stack web development intensive with <3% acceptance rate.
- Teaches full-stack web development: Rails, SQL, JavaScript, React, TDD, OOP, algorithms, design patterns, and programming best practices.