Dmitry Slavnikov

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PROJECTS

BootUp (Rails, PostgreSQL, React, Redux)   Live Site | Code Repo
Startup site inspired by Kickstarter.
- Refactors pages into separate React components, maximizing code reusability and adaptability.
- Adopts the Redux model and connect all components to a single frontend data repository, ensuring data integrity and providing a reactive user interface.
- Uses Rails ActiveRecord to fetch groups of linked resources (including AWS relations), minimizing database queries.
- Employs Amazon S3 for resource management, eliminating the need for local media storage.

Space Invaders (JavaScript ES6, jQuery, Firebase)   Live Site | Code Repo
An in-browser, modular take on the Atari classic.
- Makes extensive use of ES6 module syntax, making the code highly configurable and allowing for quick and easy development and rollout of new features.
- Leverages the power of Canvas, producing reactive graphics, including animations and particle effects.
- Employs Google Firebase, storing and displaying player scores with minimal backend setup.

RubyQuarry (Ruby, SQLite3)   Code Repo
An object-relational mapping library for managing SQLite3 databases with Ruby.
- Eliminates the need for raw SQL code with syntactic Ruby methods.
- Enables linking of database resources, allowing grouped retrieval of objects based their relationships.
- Provides a set of clear conventions for database and model setup, reducing the need for lengthy configuration.

CAREER HISTORY

Teach For America - Middle School Science Teacher
Bridgeport CT, Aug 2015 - Jun 2018
- Differentiated instruction for students with learning difficulties
- Designed and implemented instructional strategies based on collected student progress data
- Grew from an 'underperforming' to 'accomplished' work rating (as assessed by head of academic department).

Cornell University Press - Sales Associate
Ithaca NY, Apr 2014 - Jub 2015
- Worked on the promotion of a title which, at the end of the sales campaign, warranted a second printing to meet demand.
- Researched and contacted potential non-traditional book vendors.
- Prepared general and custom sales pieces for academic publications.

Cornell University - Biochemistry Teaching Assistant
Ithaca NY, Jan 2014 - Jan 2015
- Tutored high-achieving students through individual instruction

Revolution Prep - SAT Tutoring Branch Manager
New York, NY Mar 2012 - Aug 2012
- Independently brought in over 20 students for a full-time summer course and effected an over 18% average score growth.

SKILLS

- React
- Redux
- JavaScript
- Ruby on Rails
- RSpec
- HTML / CSS
- jQuery
- Git
- Amazon S3
- Google Firebase

EDUCATION

Cornell University
B.S. in Biology, Class of 2015
- Magna Cum Laude
- GPA: 3.92

Brooklyn Technical H.S.
Class of 2011
- Salutatorian of class of over 1000 students

MCAT 2015
- Score 522 (99th percentile)