Taki Koutsomitis

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PROJECTS

Quill - Single page Evernote inspired note taking app (Ruby on Rails and React-Redux) Link | Github
- Implemented user authentication by salting and hashing passwords using BCrypt, storing the result, and administering a session token cookie to the user.
- Integrated Quill.js library in the application to allow for rich text editing, enabling users to create structured, linear notes.
- Incorporated autosave by applying an event listener for changes in title or body.

Flight Traffic - Flight mapping application (JavaScript and D3) Link | Github
- Converted shapefiles for countries and airports into TopoJSON, in order to be parsed using D3.js.
- Created map by utilizing TopoJSON, using coordinates to build each individual country then mapping major airports over the map.
- To visualize flight data, first iterated through airport data and grabbed corresponding coordinates, then plotted path over map and added plane animations.

Oak Ridges Moraine - Lightweight ORM Github
- Built an Object Relational Mapping in Ruby to simplify SQL queries.
- Incorporated conventions that allow users to avoid writing database specific code, relieving user of dealing with database complexities.
- Focused on convention over configuration. Implemented practical defaults for table, variable names.

SKILLS

Ruby, Rails, React, RSpec, Redux, SQL, CSS, HTML, Git, jQuery, JavaScript, Spanish

EXPERIENCE

Grability, Inc. Mobile-Commerce Technology, New York, NY   **May 2016 – April 2017**
Business Analyst
- Actively managed daily company operations while working directly under the CEO.
- Oversaw accounts payable and receivable and managing the payroll for over 80 employees--including benefits and health insurance.
- Spearheaded Grability's strategic financial planning by designing a model that breaks down costs for individual accounts to determine profitability.

DatePlay Dating Application, London and New York, NY   **November 2015 – April 2016**
Analyst Intern
- Created probability distributions in Excel and R to determine number of questions needed to ensure matches for users.

EDUCATION

App Academy, New York, NY   **May 2017- August 2017**
- 1000-hour full-stack development course with an acceptance rate of <3%. Topics include: TDD, scalability, algorithms, OOP, coding style, REST, security, single-page apps, and best practices.

University of North Carolina, Chapel Hill, NC   **December 2015**
Bachelor of Science, Mathematics
- Related Coursework: Numerical Analysis, Mathematical Modeling, Probability, Linear Algebra