Shahriar Ahmed

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Projects

Flora - React, Redux, Ruby on Rails   live | github
Created an intuitive single-page Q & A message board inspired by Quora
- Leveraged Redux to preload data in state and React to dispense data in manageable portions for user to consume in real time and on demand.
- Efficiently queried database to avoid N+1 calls by leveraging Rail's ability to include necessary associations in initial request.
- Limited JSON responses to necessary data reducing bandwidth requirements while preserving users' privacy.

Absolute Zero - JavaScript, Phaser.js, HTML5, Canvas   live | github
Developed a fast-paced tower-defense style browser game
- Created custom, efficient collision-detection checks for circular shapes.
- Provided users visual information regarding entity status using color and size.

swORM - Ruby   github
Created an ORM from scratch to master relational database interactions.
- Implemented chainable associations for efficient querying of associated data.

Skills

- Ruby
- jQuery
- Git
- Ruby on Rails
- React
- HTML5
- RSpec
- Redux
- CSS3
- JavaScript
- SQL

Experience

Elmhurst Hospital Center (NYC H+H) - Assistant Healthcare Program Analyst
(12/2014 - 12/2016)
- Self-taught AutoIt to script Medicaid eligibility look-up, resulting in fifty times quicker processing and 100% potential revenue re-capturing.
- Prepared departments for Siemens Soarian implementation. Created all learning material for affected departments.
- Directly assisted CFO of hospital in handling logistics of training entire provider population for EPIC EMR by manipulating and consolidating data from various sources via scripts.

Education

App Academy
(12/2016 - 2/2017)
- 1000-hour full-stack programming course with <3% acceptance rate.
- Emphasis on coding style, best practices, TDD and paired programming.

Sophie-Davis School of Biomedical Sciences (CUNY) - B.S. Biomedical Sciences
(8/2007 - 5/2012)
- Volunteered at Bellevue Hospital's Medical Director's Office, tracking population health using SPSS to reducing 30-day readmissions.
- Created a Community Health Assessment utilizing Census data to identify correlations between demographics and health risks using SPSS.