Ian Rosen

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LinkedIn | Portfolio | GitHub | Medium

JOB TITLE

Full-stack software engineer with a penchant for building fully functional web applications. I have 6 years of experience in the education and wildlife conservation sectors. I am an avid writer, researcher and public speaker. I am results-oriented, passionate about the work that I do, and have strong interpersonal skills.

TECHNICAL SKILLS

Ruby, Rails, Javascript, React, SQL, PostgreSQL, JWT, AWS, HTML5, CSS3

TECHNICAL PROJECTS

Adventure Log - *Ruby on Rails, React.js, PostgreSQL, JWT, AWS*   Demo | GitHub Frontend | GitHub Backend
Gives users up-to-date wildlife conservation information on animals from around the world while allowing them to track their world wide encounters, as well as their friends'.
- Parsed data on 3668 different animals from the IUCN Red List API
- Integrated the Google Maps API to allow users to track their friends' and their own travels worldwide
- Enabled users to keep track of their wildlife encounters to show how rare and special wildlife sightings are becoming
- Implemented an AWS S3 bucket for storage of user's encounter photos

!fcebook - *Ruby on Rails, React.js, PostgreSQL, JWT, AWS*   Demo | GitHub Frontend | GitHub Backend
Allows users to find, connect and share their experiences with others.
- Implemented a self-join on the User model to allow one user to interact with another through a follower/followee relationship
- Used an AWS S3 bucket for storage of user's post photos

Penguin Runner - *Ruby on Rails, Vanilla Javascript, PostgreSQL, HTML5 Canvas*
                                                Demo | GitHub Frontend | Github Backend
Users have the option to dodge or shoot oncoming ice blocks while collecting coins to increment their high score.
- Implemented 'gravity' for more realistic game physics
- Increased game difficulty by increasing game-speed with continued play
- Offered various in-game and lifetime achievements so users can gauge their progress over time
- Applied HTML5 canvas to allow for more precise collision detection

EXPERIENCE

The Windward School   White Plains, NY
Middle School Science Teacher   September 2017 - June 2020
- Communicated effective learning strategies to students, age 10-14
- Provided 5 daily lessons to classes averaging 12 students in size

Nawamintharachinuthit Triamudomsuksanomklao School   Bangkok, Thailand
English and Science Middle / High School Teacher   May 2016 - April 2017
- Lived and taught in Bangkok, Thailand for 12 months to students age 12-18
- Created approximately 1000 varying lesson plans to be taught to classes that averaged a size of 30 students
- Classes progressed Monday-Friday, and occasionally Saturday

EDUCATION

Flatiron School   New York, NY
Full Stack Web Development, Ruby on Rails and JavaScript program   July 2020 - October 2020

Elon University   Elon, NC
Bachelor of Science, Biology   May 2014