Sai Kandala

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Projects

Songstorm (Ruby on Rails, Backbone.js)   **Live | Github**
➜ Music sharing application
➜ RESTful Rails API + PostgreSQL to manage back-end data
➜ Music player allows site navigation without interrupting playback

jQuery Plugins (jQuery, Javascript)   **Live | Github**
➜ Implementation of different visual effects on web page
➜ Written in Object-Oriented manner for easy application on page elements

Space Invaders (JavaScript, HTML5 Canvas)   **Live | Github**
➜ Modular JavaScript to organize and DRY up code

Active Record Lite (Ruby)   **Github**
➜ Object Relational Mapper (ORM) inspired by Active Record
➜ Prevents SQL injection attacks by escaping harmful queries

Skills

Ruby, Ruby on Rails, JavaScript, Backbone.js, Node.js, React, jQuery, SQL, PostGRES, MSSQL, Git, HTML, CSS, RSpec, TDD, ASP.NET, C#.NET, VB.NET, IIS

Education

Rutgers University
Bachelor's: Physics, Philosophy, Minor: French
September 2008 - May 2013

Work History

WorkWave - Full-Stack Software Engineer
September 2015 - August 2017
➜ Worked with a team of engineers to develop scalable, maintainable solutions and features for a SaaS platform
➜ Reduced technical debt by doing root-cause analysis of bugs and implementing efficient, maintainable solutions
➜ Coordinated testing and debugging modern practices of new and existing features, including TDD and BDD
➜ Developed custom modifications of software based on customer requirements

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Cambridge Educational Center - Mathematics/Physics Tutor

April 2014 - September 2015

➔ Designed and taught curricula for Mathematics and Physics
➔ Help students raise scores 200 points on average on SAT
➔ Formulated lesson plans to cater to the individual needs of each student

Robert Wood Johnson Hospital - Medical Physics Intern

September 2012 - September 2013

➔ Conducted diagnostic and preparation tests on IGRT machines for patients
➔ Learned modern techniques and practices in Medical Physics

Volunteering

OurSociety - Software Developer

December 2017 - Present

➔ Work with a team of designers and developers in building an open platform for civil engagement for local communities
➔ Collaborate on an open source platform written in CakePHP

Franklin Township Animal Shelter - Dog Walker

September 2015 - Present

➔ Walk and feed dogs (mostly pitbulls)
➔ Clean dog runs and animal cages among other areas of the shelter