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

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Education

Rutgers University

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

Work History

SEMGeeks - Web Developer / Project Manager

March 2018 - August 2018
➔ Work with a team of developers to build and maintain websites for clients to successfully market and manage their businesses
➔ Meet with new clients to assess their business needs and to design an approach to meet those needs
➔ Coordinate and manage teams to complete projects from end to end

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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

Private Tutor

January 2014 - present

➔ Work one-on-one with students to assess and address their academic needs in Math, Physics, and SAT
➔ Successfully raise academic performance in students of various grades

Cambridge Educational Center - Mathematics/Physics Tutor

April 2014 - September 2015

➔ Designed and taught curricula for Mathematics and Physics
➔ Helped 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

Franklin Township Animal Shelter - Dog Walker

September 2015 - Present

➔ Walk and feed dogs