Matthew Serre

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Full stack web developer with a passion for solving challenges using the latest web technologies. In addition to my technical skills, I have a background in the nonprofit world and the field of supporting people with disabilities. I became interested in web development because I wanted to have the ability to create tools for myself and my colleagues. My diverse background has given me the skills I need to help organizations of all types create the tools they need to support their employees in achieving their mission.

TECHNICAL PROJECTS

Discoverability Solutions - GitHub | Live Site - *A single page app for searching for providers of disability services*
+ Sends and receives JSON data to and from a back end RESTful API written in Ruby on Rails
+ Generates a dynamic front end user interface written in React
+ Leverages pg_search gem to allow queries to return results from the PostgreSQL database

Top Marks - GitHub | Video Demo - *A single page app for creating, viewing, and deleting bookmarks and folders*
+ Sends and receives JSON data to and from a back end RESTful API written in Ruby on Rails
+ Generates a dynamic front end user interface written in React
+ Stores session data on the front end using Redux and persists data on the back end using SQLite or PostgreSQL

Case Manager on Rails - GitHub | Live Demo - *A web app for case managers to manage caseloads, clients, and client notes*
+ Sends and receives JSON data to and from a back end RESTful API written in Ruby on Rails
+ Generates a dynamic front end user interface written in JavaScript
+ Leverages bcrypt to store credentials safely using Active Record and SQLite or PostgreSQL

Reservation CMS - GitHub | Live Demo - *A system for creating, viewing, updating, and deleting reservations*
+ Runs on Rack and Sinatra gems
+ Validates user input on the backend and protects against unauthenticated and/or unauthorized access
+ Leverages bcrypt to allow users to store credentials safely using Active Record and SQLite or PostgreSQL

TECHNICAL SKILLS

HTML/CSS, JavaScript (including React), Ruby (including Rails), SQL (PostgreSQL or SQLite)

EMPLOYMENT HISTORY

Higher Logic, Arlington, VA
Junior Application Engineer, *January 2020 - Present*

Serrendipitous Development, Montgomery Village, MD
Owner, *April 2019 - December 2019*
+ Consult with organizations on software needs and web design/development services
+ Research and implement software solutions that support organizations in fulfilling their missions
+ Create websites using platforms such as Odoo and Squarespace to give clients platforms for their businesses and programs

The Treatment and Learning Centers, Rockville, Maryland
Admissions and Career Development Specialist, *December 2013 - April 2019*
+ Educated individuals with disabilities and their families about employment and skills development services
+ Provided training to fellow colleagues on software and web technologies relevant to their duties and responsibilities
+ Mentored new and existing employees on effective communication with and support of individuals receiving services

Jewish Foundation for Group Homes, Rockville, Maryland
Team Leader, *September 2011 - August 2015*
+ Volunteered during initial two years in position as part of AmeriCorps Project CHANGE
+ Supervised a team of direct support professionals and provided guidance and instruction on daily duties
+ Coordinated services and schedules of daily activities for individuals with disabilities and their families

EDUCATION

Flatiron School - 2019
+ Online Software Engineering/Full Stack Web Development Program

University of Maryland - College Park, Maryland - 2016
+ Graduate Professional Studies Certificate in Applied Counseling and Human Services

Mount Aloysius College - Cresson, Pennsylvania - 2011
+ Bachelor's Degree: English