

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

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

MTG Event Info - [GitHub](#) | [Video Demo](#) - A command line interface for viewing upcoming Magic: The Gathering Events

- + Loads a command line interface for users to interact with and filter a number of options for discovering events
- + Scrapes the target website for information about events using the Nokogiri gem and displays that data in the CLI

TECHNICAL SKILLS

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

EMPLOYMENT HISTORY

Serrendipitous Development, Montgomery Village, MD

Owner, April 2019 - Present

- + 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

- + 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

AmeriCorps Project CHANGE, Rockville, Maryland

Volunteer, September 2011 - August 2013

- + Volunteered at designated partner site
- + Attended and presented at workshops for fellow volunteers
- + Developed tool for fellow volunteers to use for tracking time spent at their respective sites

EDUCATION

Flatiron School - 2019

- + Online Software Engineering/Full Stack Web Development Program

University of Maryland - 2016

- + Graduate Professional Studies Certificate in Career Placement for Transitioning Youth

Mount Aloysius College - Cresson, Pennsylvania - 2011

- + Bachelor's Degree: English