

Matthew Serre

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Full stack web developer with a passion for solving challenges using the latest web technologies. I have experience working with a SaaS company as well as a background in the nonprofit world in 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

Somsaem - [GitHub](#) - *An e-commerce platform for small businesses to set up a storefront with minimal configuration*

- + 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 and provides an admin interface using traditional Rails views
- + Leverages a custom CMS/cart system and Stripe payment processing

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

TECHNICAL SKILLS

HTML/CSS, JavaScript, React, Ruby/Ruby on Rails, SQL (Microsoft SQL Server and PostgreSQL)

EMPLOYMENT HISTORY

Higher Logic, Arlington, VA

Junior Application Engineer, *January 2020 - Present*

- + Provide technical support and troubleshooting of the Higher Logic enterprise solution offerings
- + Resolve critical incidents utilizing tools in conjunction with associated logs
- + Analyze web code in assisting with triage and remediation of application-based issues

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*

- + 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