Thomas Musselman

Software Engineer

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As a lover of puzzles and problem-solving, creating software hooked me from the very beginning. After establishing a successful career in financial services, I decided to make the move from hobbyist to professional software developer. I view my non-traditional education and professional background as a strength and am excited to share what I can bring to a team.

Skills

- **Languages & Frameworks:** Ruby on Rails, PostgreSQL, GraphQL, HTML, CSS, JavaScript
- **Testing:** Test Driven Development, Unit & Integration Testing, RSpec
- **Tools & Deployment:** Git, GitHub, Heroku, CI/CD, Unix Terminal, AWS EC2, Nginx
- **Exposure & Currently Learning:** React, Node.js / Express, TypeScript, Python / Django, C# / .NET

Software Projects

RE•SIP•E   Demo | GitHub
- An application for bartenders and bar managers to find, edit, and manage their cocktail recipes.
- Built from the ground up, including conceptualization, planning, testing, implementation, and deployment.
- Collaborated with a full-stack team to solidify skills in project management and Service-Oriented Architecture.
- Built a Ruby on Rails API application that consumes an external RESTful API, stores data in a PostgreSQL database, and exposes data through a GraphQL API to the frontend React.js app.
- **Backend Tech Stack:** Ruby on Rails, PostgreSQL, GraphQL, RSpec, Webmock/VCR, GitHub Project/Issues

Viewing Party   Demo | GitHub
- Ruby on Rails app that consumes film info from external API and allows users to create viewing events with other users.
- Built consumption of external API using scalable and maintainable service/facade design patterns.
- Implemented fully functional user authentication and dynamic responsive forms using server-side validations.
- **Tech Stack:** Ruby on Rails, PostgreSQL, RSpec, Webmock/VCR, Bcrypt, Bootstrap

Little "Esty" Shop   Demo | GitHub
- Mock online retailer Rails app for merchants and admins to manage customer invoices, inventory, and discounts.
- Reinforced skills using SQL and an ORM to create queries in a relational database with complex data relationships.
- **Tech Stack:** Ruby on Rails, ActiveRecord, PostgreSQL, RSpec

Professional Experience

Fidelity Investments | *Help Desk II, Onboarding Coach* | Denver, CO   **Oct 2017 - June 2022**
- Served as a subject matter expert on all aspects of the brokerage services platform, owning and solving complex problems in a high-volume and fast-paced environment.
- Mentored and coached over 100 new hires through training and studying for licensing exams.

Epic Escape Game | *Cluemaster, Game Designer* | Denver, CO   **Feb 2017 - Oct 2017**
- Contributions include writing Python scripts for Raspberry Pi and Arduino to enhance in-game interactivity.

Education & Licenses

Turing School of Software and Design | *ACCET-Accredited Backend Engineering Certificate*   **July 2020 - Jan 2023**
- Gained experience in software engineering over the course of 1500+ hours in a collaborative Agile environment, completing 15+ projects in varied team-based settings.

Financial Industry Regulatory Authority (FINRA) | *Series 7, Series 63, Series 9/10 Licenses*