Sean Smyth

Web Developer

❖ **Website**
❖ **Github**
❖ **LinkedIn**

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Skills

HTML | CSS | JavaScript | Ruby | Ruby on Rails | SQL | Git | GitHub
RSpec | Bootstrap | ActiveRecord | Quantitative Analysis

Projects

Bootcamp Overflow / Github

StackOverflow clone web application built with a team of five using Agile methodologies and pair programming . The application utilized Ruby on Rails on the back end and Bootstrap, HTML and CSS on the front end.

- Developed nested Rails routing including member and collection routes for multiple model search functionality.
- Implemented a dual level ActiveRecord sort using join and sort_by query methods.
- Designed ActiveRecord validations and dependencies to insure database integrity.
- Assisted in the creation of eight Model View Controller (MVC) components.

Stock App/ Github

Stock tracking web application built using Ruby on Rails and an external API on the back end, Bootstrap, HTML and CSS on the front end.

- Integrated an external API to get current stock price and financial information.
- Incorporated multiple Rails forms and nested routes for associated models.
- Designed ActiveRecord validations and dependencies to insure database integrity.

JavaScript Hangman/ Github

Hangman clone web application built in JavaScript, HTML and CSS

- DOM form validation to accept user input and conditional logic to handle erroneous or duplicative user input.
- Game logic to map and iterate over data structures in order to check accuracy and validity of user guesses.
- Designed multiple conditional flow functions to guide the user experience in various game states.

Work Experience

Millrace Asset Group | Berwyn, PA 2015 to 2017.
Director of Trading

- Created a company-wide portfolio risk management process which increased ex-ante risk return profile by 10-15% based on expected alpha of fundamentally derived analyst price targets.
- Implemented a technology motivational program to enhance communication and efficiency.

NorthPointe Capital | Troy, MI 2007 to 2015
Director of Trading/Co-Portfolio Manager

- Analyzed and identified excessive trading as the core cause of product underperformance; collaborated with the CIO and investment team to

reduce the frequency and change the timing of trading, improving performance from the 75th to 25th percentile.
- Led the selection, business implementation and user training of third party trading, portfolio management and compliance software reducing costs by 40%.

DireXion Funds | New York, NY   2005 to 2007
Portfolio Manager/Head of Trading
- Directed a seven person team that managed 40 leveraged index mutual fund products.
- Managed the implementation of portfolio management software that reduced error rate from over 2% to under .5%

Gartmore Global Investments | Conshohocken, PA   2000 to 2005
Equity Trader/Director of Trading Operations
- Executed equity trades for a variety of mutual and hedge fund products which averaged over $10 Million in daily value.
- Tranistioned the trading operations from a manual environment to a system capable of supporting settlements of approximately 5,000 transactions daily with 99.5% accuracy.

Morgan Stanley Investments | Conshohocken, PA 1997 to 2000
Mutual Fund and Separate Account Administrator
- Managed third party accounting vendor relationship and ensured accuracy of daily Net Asset Value calculations.
- Prepared monthly portfolio reports for client presentations, consultant communications, and website content updates.

PFPC Inc. | Wilmington, DE 1993 to 1997
Mutual Fund Accounting Supervisor
- Promoted from entry level position to Supervisor within three years

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Education & Certifications

New York Code and Design Academy / Full Stack Web Development
October 2017 - January 2018, Philadelphia, PA

Seton Hall University/ Bachelor of Science in Accounting
September 1989 - May 1993, South Orange, NJ

Certified Financial Risk Manager (FRM), Global Association of Risk Professionals.