

Nicholas Shanstrom

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Backend Software Engineer | Health & Fitness Professional | Growth Seeker | Proactive Strategist

SUMMARY

Passionate and adaptable professional with a strong foundation in software development, health, and wellness. Experienced in designing and implementing robust APIs and services, leveraging data for application functionalities, and meaningful contributions to projects. Excited for collaboration, mentorship, and continuous learning, with a commitment to delivering high-quality, impactful software solutions. Proven leader with a strong commitment to Test-Driven Development (TDD) and continuous learning. Eager to contribute to a mission-led team, focusing on improving wellness and fitness through innovative technology.

SKILLS

Programming Languages/Frameworks: Ruby, Ruby on Rails, HTML, CSS

Tools/Workflow: Git, GitHub, Heroku, Render, Rest APIs, Postman, Slack, Zoom, cross-functional collaboration

Database: Relational databases, API design and development, PostgreSQL, ActiveRecord

Testing: Test Driven Development, RSpec, WebMock, VCR

PROJECTS

Little-Shop-7 - Group project and solo project effort - [GitHub repository](#)

April 2024

Designed and implemented a comprehensive web application enabling merchants to monitor products and revenue, integrating business analytics and admin functionalities. Leveraged Ruby on Rails, HTML, and CSS, following Test-Driven Development (TDD), MVC architecture, REST principles, and relational database querying. Achieved 100% test coverage across 137 tests, enhancing readability and functionality by streamlining tests and views, and implementing test objects, controller actions, and ActiveRecord queries.

lunch_n_learn - Backend project exposing and consuming Rest APIs - [GitHub repository](#)

June 2024

Engineered an API-driven Rails application, enabling users to search recipes and educational resources by country. Designed and developed features for API consumption and user favorites, following wireframes and endpoint specifications. Implemented TDD, RESTful routing, and VCR for efficient data handling and test coverage. Achieved 100% test coverage, demonstrating a strong focus on reliability and quality. Integrated secure user authentication using bcrypt and unique API keys.

EXPERIENCE

Leadership, Problem Solving | Fitness, Athletic Training, Software Development | Miami, FL - Denver, CO - Maui, HI 2010-2023

- ❖ Designed and executed programs enhancing quality of life, injury prevention, and performance for hundreds of clients and numerous sports teams, both in-person and remotely
- ❖ Applied test-driven software development to identify problems and guide solutions
- ❖ Conducted workshops on anatomy, injury prevention/management, and running for groups of 10-20
- ❖ Created safe, engaging environments for classes of up to 45 participants, maintaining a zero-injury record
- ❖ Committed to continuous learning, including certifications in yoga and backend software development

Teamwork, Strategic Thinking, Detail Oriented | Software Development | Event Coordination | Remote - Maui, HI 2020-2024

- ❖ Collaborated in teams of 2-5 to develop 10+ applications, including terminal apps, Rails backends with HTML/CSS, and RESTful API projects, enhancing technical knowledge sharing and troubleshooting.
- ❖ Seek feedback to continuously refine and enhance my work, ensuring that solutions are both effective and aligned with team and user needs.
- ❖ Managed events for 2-65 attendees, coordinating with vendors and venues to ensure exceptional experiences.
- ❖ Achieved 100% satisfaction as a photographer and event coordinator, resulting in a 50% business growth
- ❖ Proactively engaged with business owner to adjust tactics, resulting in annual revenue growth

EDUCATION

Turing School of Software & Design, Denver, CO

August | 2024

Accredited Backend Engineering Certificate

Master's of Science, Athletic Training | Florida International University

April | 2014

Bachelor's of Science, Exercise Science & Health Promotion | Florida Atlantic University

April | 2010