

Isaac Mitchell

Software Developer

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Summary

Experienced quality assurance professional transitioning to a full software development role after 8+ years. Specialized in web application development with Ruby on Rails and RESTful APIs. Skilled at integrating data analysis and troubleshooting expertise to enhance development and TDD

Technical Skills

Languages/Frameworks: Ruby, Rails, SQL, ActiveRecord, HTML, RESTful API consumption/exposure

Testing: RSpec, Capybara, Pry, FactoryBot, Orderly, Webmock, VCR

Tools/Workflow: Git, Github, Heroku, Postman, Postico, OAuth2.0

Developing Knowledge/Areas of Interest: Bootstrap, CSS, AWS, Python, JavaScript, React

Education

Certificate in Back-End Software Engineering

04|2024

Turing School of Software and Design

Bachelors of Science in Biology

05|2013 Kent State University, Kent, OH

Projects

Chicken Tracker - (group) - https://github.com/tmitchellisaac/chicken_tracker_fe - <https://github.com/n0rdie/chicken-tracker-be> | **Tech:** Ruby on Rails | TDD | BE/FE SOA | Google OAuth2.0 | Bcrypt | RSpec | Capybara | Faraday | Bootstrap | Pry |

– Rails based farm management app that allows homesteaders and small farmers to track their animals, health schedules and personalize attributes for more connection and peace of mind over their outdoor furry friends

- Implemented a SOA by connecting front-end and back-end application through API calls using the Faraday gem
- Structured and refactored code using a facade/service model for sleek and readable controller actions
- Applied Test Driven Development from the ground up using tools such as RSpec, Webmock, Capybara, Pry
- Explored new skills with key tools including Bootstrap, CSS, OAuth2.0 and implementing timed inactive logout

Little ‘Esty’ Shop - (group/solo) - github.com/tmitchellisaac/little-shop-7 | SQL | ActiveRecord |

– E-commerce web application where merchants can display and create items, invoices and coupons.

- Constructed complex SQL and AR database queries
- Demonstrated commitment to TDD and writing RESTful and efficient code
- Individually added coupon functionality and features

Professional Experience

Analytical Specialist – MolsonCoors, Golden, Colorado.

2019-2023

- Efficiently demonstrated my technical adaptability and commitment by becoming an expert in analytical instrumentation (GC/HPLC), securing IBD certificates in brewing and packaging, engaging in Six Sigma and statistical process control training, and ascending to a top-three taster at the world's largest brewery within three years.
- Spearheaded the development and implementation of a pilot project to assess the feasibility of launching Blue Moon Iced Coffee Blonde, a new multi-million dollar brand initiative. Successfully demonstrated the product's viability, paving the way for its successful market introduction.

Microbiological Specialist – MolsonCoors, Golden, Colorado.

2016-2019

- Investigated brewery-wide micro-bloom in ingredient water system, quantified and reported analysis from a quality perspective to reduce micro triggers by 90% and return water system to usable conditions in one month.
- Overhauled staff training on proper microbiological technique. Monitored capabilities by implementing an error tracking and follow-up instructional that reduced errors by 70% within 60 days.

Hobbies and Personal Interests

Movement: student at ApeCo Movement school in Denver, currently working towards my 60 second handstand and my QDR circle, I passionately enjoy my weekly jam at the park exploring various locomotion techniques to achieve a more natural flow state.

Reading: currently reading Malazan Book of the Fallen series, with Anathem by N. Stephenson as a recent favorite. I favor sci-fi/fantasy and history **Music:** recently delving into learning 'new country' covers on guitar inspired by artists such as Tyler Childers and Josiah and the Bonneville