Wil Fady | Backend Software Engineer

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SKILLS

Languages/frameworks: Ruby, Rails, SQL, HTML
Testing: Rspec
Tools/Workflow: Pry, Git
Currently learning: API consumption and design

SOFTWARE PROJECTS

Viewing Party (pair) https://github.com/fadwil/viewing_party_lite_7| **Tech**:Ruby | Rails | RSpec | Capybara
This project explored consuming and displaying information sourced from the the movieDB API. It allows for a user to create watch parties for different movies and invite others to join the party. Built with Ruby on Rails framework, this app follows RESTful routes and was designed using Test Driven Development.

Market Money (solo) https://github.com/fadwil/Market-Money| **Tech**:Ruby | Rails | RSpec | Postman
This project was an exploration in designing and building an API that serves as the bridge between the backend data and the front-end user interface. It is essentially a farmers market lookup. It implements best practices in data modeling, database management, and API development to ensure reliability and performance. In this project I explored the use of serializers to format JSON responses. I also worked on error handling and created custom error messages.

RELEVANT WORK EXPERIENCE

University of Florida, Florida Lakewatch   May 2021 – April 2023
Gainesville, FL
Chemist II
Conducted analyses on water samples from Florida Lakes, streams, and nearshore coastal waters to evaluate their limnological characteristics. Assisted the Scientific Laboratory Manager in laboratory operations as needed.

University of Florida, Racing Lab   June 2019 - May 2021
Gainesville, FL
Laboratory Technician II
Prepared samples for analysis on LC/MS instruments. Reviewed data and report samples suspicious for illicit compounds as per PMW requirements. As lead analyst in the Immunoassay department, screened for drugs not found in instrumental screening. Trained other employees to perform ELISA testing. Developed new methods for the screening process. Performed maintenance and troubleshooting of instruments. Ensured that all data generated met quality control requirements. Collaborated with other departments to ensure samples were reported in a timely fashion.

ELISA Technologies, Inc.   May 2016 – June 2019
Gainesville, FL
Research Scientist, Antibody Production
Designed experiments and developed new SOP's while building off of existing research within the organization. Planned and coordinated multiple research projects simultaneously. Maintained a stock of antibodies to be used for developing ELISA test kits for detecting food allergens as well as meat speciation according to USDA protocol. Utilized a GE AKTA for antibody purification. Assisted production with manufacturing developed kits for in-house testing. Tested production retain kits for quality control.

EDUCATION

Turing School of Software and Design, Remote   November 2023
Certificate — Backend Engineering

University of South Florida   August 2008 - December 2012
Bachelor's science degree — Microbiology