JOHNNY BOWMAN·Software Engineer

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SKILLS

Programming Languages: Ruby, Python, HTML/CSS, SQL

Frameworks/Databases: Rails, Flask, PostgreSQL

TDD/BDD: Minitest, RSpec, Pytest, Capybara, Shoulda-Matchers, SimpleCov, VCR, WebMock

Technologies/Tools: GitHub/Git, ActiveRecord, Heroku, JSON, OAuth

Concepts: OOP, Agile/RESTful API, MVC, CRUD, TDD (integration testing), SOA

SOFTWARE PROJECTS

Gear Up | [GitHub Repo](#) | Group Project| 70 hours
- Helps users plan group adventures in the outdoors by organizing gear, trip details, and weather forecasts
- Specialized in implementing OAuth flows and API consumption of weather and GPS data
- Worked in an agile environment to produce a web app that adheres to principles of Service-Oriented Architecture
- Created a robust testing suite utilizing VCR's, WebMock, and RSpec Mocks

DevPrep | [GitHub Repo](#) | Group Project | 30 hours
- A Flask REST-API that provides endpoints to the [DevPrep Frontend](#)
- Helps users prepare for coding interviews with CRUD functionality for flashcards and performance analysis
- Test suite written in Pytest, CI/CD with Circle CI and GitHub integration with Heroku

Sweater Weather | [GitHub Repo](#) | Solo Project| 30 hours   `
- Exposes data through five different external endpoints to deliver current and forecasted weather
- Implements authorization and authentication using BCrypt
- Tech Stack: Ruby, Rails, RSpec, TDD, BCrypt, Postman, JSON:API Serializer

EXPERIENCE

The Front Climbing Club, **Adult Programs Instructor,** Salt Lake City, UT   Jun 2021 – Feb 2022
- Led the instruction of hundreds of climbers in LeadClimbing and Climbing Fundamentals; increased membership retention for participants by 20% over past instructor average
- Consistently facilitated an increase in sales from the gym's in-house gear shop

African American Arts Institute, Audio Technical Assistant, Bloomington, IN   Aug 2015 – May 2018
- Managed audio routing and setup for all rehearsals and performances
- Worked in a cohesive team to optimize large-scale audio routing for extremely efficient productions

EDUCATION

Turing School of Software and Design, Denver, CO
Backend Software Engineering Certificate - 2022

Indiana University, Bloomington, IN
B.S. in Audio Engineering & Sound Production - 2018