MICHAEL BONINI
BACKEND ENGINEER
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Linkedin • Github

TECHNICAL SKILLS & KNOWLEDGE

- Languages: Ruby / Python / SQL / HTML / CSS / JS / Java / C++ / MATLAB
- Frameworks: Rails / Flask
- Design Patterns: MVC Architecture / Service Oriented Architecture / RESTful APIs
- Workflow Tools: git / Github / CircleCI / Postman / Postico / Heroku
- Test Driven Development: Unit Testing/ Integration Testing / RSpec / pytest

PROJECTS

Throne Room | BE GitHub, FE GitHub, Application | September 2022

Tech Stack: Ruby on Rails, HTML/CSS/JS/bootstrap, postgreSQL, Active Record, RSpec, factory-bot, Heroku, GitHub Projects

- Designed the database schema and utilized Active Record to make advanced database queries.
- Geo-located incoming requests to return location relevant results.
- Coordinated between front-end and back-end teams to ensure effective communication and API access.

Let's Jam | Organization's GitHub, Application | October 2022

Tech Stack: Python, Flask postgreSQL, SQLAlchemy, Marshmallow, pytest, Heroku, GitHub Projects, Postman

- Followed an agile workflow utilizing sprints and retrospectives to deploy a Python Flask back-end.
- Collaborated with a front-end team to construct a json contract and mock server used during development.
- Implemented a self referential table to allow users to accept and reject friend requests from other users.

Viewing Party | GitHub, Application | August 2022

Tech Stack: Ruby on Rails, HTML/CSS, postgreSQL, SQL, RuboCop, RSpec, Webmock/VCR, Heroku, GitHub Projects

- Built services to consume external API data and facades to parse the response and create Ruby objects.
- Utilized test driven development to build the abstracted services and facades used to collect and save data.
- Implemented webmock, a ruby gem, to cache external API calls and avoid excessive requests.

EXPERIENCE

Ball Aerospace, Manufacturing Engineer I, Westminster, CO   June 2019 – October 2021

- Worked collaboratively in an interdisciplinary engineering team prototyping radio antennas used in space.
- Managed project build schedule, developed manufacturing processes, prepared manufacturing reviews, investigated mechanical failure, and assisted in unit cost estimation.
- Led daily production standups to coordinate the team and ensure blockers were addressed.
- Produced work instructions and standard documents to individualized project requirements referenced through development, build, and test phases.

Housatonic Community College, Math Tutor, Bridgeport, CT   September 2013 – December 2015

- Developed technical communications skills to present difficult mathematical concepts in simple understandable ways.
- Coached a diverse student body in both solo and group settings helping people build confidence in their technical abilities.

EDUCATION

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

University of Colorado Boulder, Boulder, CO   May 2019
Bachelors of Science in Mechanical Engineering