Lane Bretschneider

Software Engineer

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SKILLS

Technical Skills:

- **Languages and Frameworks:** Ruby on Rails | Python | Django | SQL | HTML
- **Concepts:** Object-Oriented Programming | SOA | REST | CI/CD | TDD
- **Tools:** ActiveRecord ORM | PostgreSQL | RSpec | AWS S3 | Circle CI | Heroku

Professional Skills:

- Collaboration | Problem-Solving | Adaptability | Reading Documentation

PROJECTS

Pantry Pilot – Group of 4 | 65 hours | GitHub FE Repo | GitHub BE Repo | Heroku Deployment

Tech: Ruby on Rails, JSON, Faraday, AWS S3, ActiveStorage, PostgreSQL, Circle CI, Background Workers

- Allows users to search for, save, and share recipes based on ingredients they have in their pantry
- Leveraged facade design pattern, services, and POROs to encapsulate and abstract API consumption
- Configured ActiveStorage and AWS S3 to facilitate file upload and storage functionality across Frontend and Backend Services in service-oriented architecture application

Board Game Buddy – Group of 6 | 90 hours | GitHub Repos | Vercel Deployment

Tech: Ruby on Rails, Python, Django, Django REST Framework, PostgreSQL, GitHub Actions CI/CD

- Platform for board game enthusiasts to discover new board games based on their current favorites
- Built rake tasks to import 150,000+ rows of data by automating API consumption and data storage
- Learned Python and Django from scratch in under 2 weeks, leveraging the Django REST Framework for API consumption and API endpoint building

EXPERIENCE

Foothills Swim Team, Littleton, CO

Head Age Group Development Coach   *October, 2017 – April, 2023*

- Mentored and coached youth swimmers, fostering their growth both as athletes and individuals
- Implemented training programs tailored to the individual athletes' needs, resulting in over 80% lifetime best swims and 4 athletes selected to the Colorado Zone team (previous 0)
- Managed a team of 6 part-time coaches, overseeing scheduling and curriculum implementation
- Communicated directly with parents to address needs and create solutions specific to their athlete

EDUCATION

Turing School of Software and Design

Certificate in Backend Engineering   *June, 2023 – Present (Graduating January, 2024)*

- 8 month, 1500-hour intensive ACCET accredited software program

University of Denver, Denver, CO

BSBA in Marketing   *September, 2013 – March, 2017*

- Graduated Cum Laude
- Division 1 Varsity Swim Team