JAMES TAYLOR
Backend Software Engineer

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SKILLS

- Ruby on Rails
- PostgreSQL
- ActiveRecord
- HTML
- CSS
- OOP
- TDD/RSpec
- RESTful Design
- MVC Architecture
- Git/GitHub
- API integration
- Agile methodologies

SOFTWARE PROJECTS

Character Chords | Group Project | 110 hours (approx.)   [BE Repo](#) | [FE Repo](#)

Developed a robust backend with Rails and PostgreSQL, focusing on service-oriented architecture, API consumption, and scalable performance to handle large amounts of user data and API requests.

Tech Stack: **Ruby, Rails, PostgreSQL, Tailwind, HTML, CSS, AWS**

- Implemented OAuth for user authentication, enabling login via Spotify for seamless integration and playlist management.
- Connected to ChatGPT API for AI-generated music recommendations and utilized Spotify API for playlist handling
- Integrated AWS 3 for online storage and retrieval of images, allowing for efficient media management.

Weather Wise | Solo Project | 40 hours   [BE Repo](#)

Backend project integrating Weather and MapQuest API's to provide current weather, forecast, route planning, and destination-specific data for front-end applications

Tech Stack: **Ruby, RSpec, PostgresSQL**

- Implemented user authentication and secure password handling using bcrypt for a personalized experience.
- Employed Test-Driven Development with RSpec and Capybara for high code quality and app reliability.
- Integrated OpenWeatherMap and MapQuest APIs for accurate weather info and location-based dynamic content.

PROFESSIONAL EXPERIENCE

Backend Software Engineering Student   10/2022 - Current

Turing School of Software and Design | Denver, CO

- investment of **1500+** hours create projects that range from basic Ruby, to database-backend applications as well as REST API's built using test-driven development following object-oriented design principle
- Mentor current students with concepts surrounding Ruby, Rails, PostgreSQL, OOP, TDD and other technical topics

Medical Office Manager/Outreach specialist   08/2016 - 09/2019

Front Range Clinic | Fort Collins, CO

- Developed close working relationships over twelve offices to enhance customer care efficiency
- Facilitated and guided over forty patients a day to proper care and treatment programs
- Assisted in creation of pre-season marketing plans to support department and divisional strategies

EDUCATION AND RELEVANT CERTIFICATIONS

Turing School of Software and Design, Denver, CO   2023

ACCET - accredited Backend Software Engineering Certificate

Front Range Community College, Fort Collins, CO   2021

Accredited Business Specialization Certificate