

JAVEN WILSON

SOFTWARE ENGINEER

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SKILLS

Ruby / Ruby on Rails
CSS
VCR

SQL / PostgreSQL
Test Driven Development
Git / Github

Active Record
RSpec
REST APIs

HTML
WebMock
Python / Django

SOFTWARE PROJECTS

AI Project Planning | Group Project | [GitHub Repo](#)

2 Week Sprint

Tech Stack: *Python, Django, Postgresql, SQLite3, Heroku, Ruff, Coverage, Github, CircleCI, Postman*

This application is designed for junior or aspiring software engineers to generate project ideas based on the users' skills, tech stack, and preferences. With full **CRUD** functionality, a user can generate a project idea, save the project to their favorites, edit any attributes, or delete the project entirely. The project ideas are **generated** using **OpenAI's API** to give a unique **response** to each user.

- Developed the entire backend in **Python / Django**, a **new language** and **framework**, in one week, including **consuming** and **exposing** a **REST API**.
- Utilized **TDD** to achieve **100%** coverage across **unit** and **integration** tests.
- Collaborated with a team of Front-End Engineers, participating in **API contracts** and feature and design implementation.

Lend-A-Toolza | Group Project | [GitHub Repo](#)

2 Week Sprint

Tech Stack: *Ruby, Rails, Postgresql, Render, AWS, Postman, CSS, HTML*

Lend-A-Toolza is a **crowdsourced** tool lending library web application. Designed for folks looking to borrow a particular tool within any given area/location. Lend-A-Toolza has the ability for registered users to **upload** their lendable tool with a picture, a description of the tool, and a borrowing period as well as choose to borrow from a list of available tools in their area.

- Designed and developed a **Full-Stack** application with a complete Front-End by a team of **4 Back-End Engineers**
- Implemented **test-driven development** and **Object-Oriented programming** techniques to outline code architecture and functionality.
- Managed **agile** processes, including **git workflow**, **GitHub** projects, **API** contracts, and Slack.
- Self-taught **Google OAuth** and **Amazon AWS S3 Bucket** to create a **scalable** and **lightweight** application.

Lunch and Learn | Solo Project | [GitHub Repo](#)

2 Week Sprint

Tech Stack: *Ruby, Rails, Postgresql, Render, Rspec, Postman,*

- Exposes** an **API** that aggregates data from multiple **external APIs** as well as requires **authentication** tokens
- Achieved **100%** test **coverage** using Simplecov

WORK EXPERIENCE

Stone Slinger | Gravel Conveyors, Zionsville, IN

05/2022 - 03/2023

- Conducted pre and post-trip inspections on stone slinger trucks per DOT Regulations in the state of Indiana
- Operated a truck **weighing 32,000-73,280 lbs** on Indiana roadways, following all **local**, **state**, and **federal** laws.
- Achieved **top 3 revenue-producing** drivers, generating up to **162% profit** for a single stone slinger truck.

EDUCATION

Turing School of Software & Design | Denver, CO

03/2023 - 09/2023

- Accredited Backend Software Engineering Certificate