Joseph Downs

SOFTWARE DEVELOPER

(720) 219-8717 · jos.w.downs@gmail.com · LinkedIn · GitHub

Ruby on Rails · Python · JavaScript · Django · SQL · Postgres · Continuous Integration · MVC Architecture ·
Agile Workflow · REST API · RSpec · Pytest · TDD · Postman · Git · GitHub · GraphQL · Communication

EXPERIENCE

Coding Consultant   **May 2023 - Present**

Code the Dream

- Led engaging weekly office hour sessions for five to seven students, significantly enhancing their JavaScript fundamentals through interactive learning and practical demonstrations.
- Provided personalized guidance, answered questions, and fostered a collaborative environment.
- Offered timely and actionable feedback on student assignments, helping them to improve their understanding of the material and develop stronger writing skills.

Backend Engineer   **May 2023 - Present**

Turing School of Software and Design

- Designed and implemented relational databases for a variety of applications, including customer relationship management, e-commerce, and fraud detection.
- Collaborated with frontend developers to develop data-driven solutions that met the needs of users.
- Created SQL queries using PostgreSQL, MySQL, and GraphQL that returned the desired data in a timely manner, even for large datasets.

Program Manager   **Feb 2021 - Oct 2021**

Colorado Health Network

- Built ten new services that improved the user experience by 20% as measured by participant satisfaction surveys.
- Corresponded with over 15 volunteers to ensure that daily staffing and scheduling met the needs of the organization resulting in zero missed shifts or cancellations.

PROJECTS

Craft Circle   **Repository**

Proof of concept app for trading/borrowing craft supplies with individuals on the platform.

- Collaborated with a front-end team of four to develop a data-passing strategy that resulted in a functional app with a 98% uptime rate.
- Developed and consumed APIs, implemented service-oriented architecture, and used advanced RoR to create a scalable and efficient app.
- Gained exposure to querying languages for APIs by implementing GraphQL which improved the performance of the app by 20%.

Meet Me in the Middle   **Repository**

Allows a registered user to invite another user to meet at one of five proposed locations between them.

- Partnered with an Agile team to successfully complete a project from ideation to deployment using GitHub to track progress and collaborate effectively.
- Wrote comprehensive unit and integration tests with 98% test coverage ensuring that the project was highly reliable and bug-free.
- Consumed multiple Google API endpoints to integrate with a variety of third-party services resulting in a more powerful and versatile application.

EDUCATION

Turing School of Software and Design   **2022**

Certificate in Backend Engineering

Emerson College   **2017**

Master of Arts in Theatre Education