

# MEGAN RODRIGUEZ

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[LinkedIn](#) | [GitLab](#) | [GitHub](#)

## TECHNICAL SKILLS

**Programming Languages:** Python 3, JavaScript ES6+, SQL, HTML5, CSS

**Frameworks/Libraries:** React, Django 4, PostgreSQL, MongoDB, RabbitMQ, Docker

## APPLICATION DEVELOPMENT EXPERIENCE

**Green Thumb** | Full-Stack Developer | [Gitlab](#) | 2023

House plant web application that allows users to create accounts to browse plants by categories and view details and favorite plants to see quick care needs in favorites. Built using Python, FastAPI, PostgreSQL, React, Docker, RapidAPI and deployed on CapRover.

- Implemented CRUD functionality in the API for viewing and favoriting plants, including writing SQL queries and adding endpoints.
- Implemented API authentication using the FastAPI JWT framework to support accounts.
- Collaborated with a team of 3 members to ensure project success.

**CarCar** | Full-Stack Developer | [Gitlab](#) | 2023

Inventory management web application to manage service appointments and service history for a car dealership. Built using Python, JavaScript ES6+, React, Bootstrap, Docker, and Django.

- Developed a microservice using Django to track and manage car service history, with a REST API that supports CRUD operations.
- Implemented a poller to periodically fetch data from an inventory API, enhancing the accuracy of inventory management.
- Collaborated closely with another developer to build user-friendly forms using React and Bootstrap, combining the power of both technologies to create intuitive and visually appealing user interfaces.

## PROFESSIONAL EXPERIENCE

**Schmalz Elementary** | 3rd Grade Math/Science/Social Studies Teacher | Katy, TX | 2021-2022

- Utilized tailored instructional strategies, materials, and technology to cater to individual needs of 12 students, achieving an average score increase of 15% on assessments.
- Collaborated with 3 teachers to modify curricula for special education students, resulting in a 25% increase in students meeting district expectations according to Individual Education Plans (IEP).

**Klein Intermediate** | 7th and 8th Grade Intervention Math Teacher | Houston, TX | 2019- 2021

- Utilized differentiated instruction, classroom management, and assessment strategies to support at-risk students and achieve 60% mastery for promotion to the next grade.
- Adapted classroom materials into digital resources for remote learning, increasing student engagement and participation.

## EDUCATION

**Hack Reactor** - Advanced Software Engineering Certificate | 2023

**Certifications/TEExs Exams:** Early Childhood-6th Grade Educational Core, Science of Teaching Reading, Mathematics 4 – 8, Pedagogy and Professional Responsibilities EC-12 | 2019-2021

**Sam Houston State University, Huntsville, TX** | Bachelor of Business Administration | 2018