

MEGAN RODRIGUEZ

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TECHNICAL SKILLS

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

System Design: Monoliths, Microservices, Domain-driven design, Message passing, Event sourcing

Frameworks/Libraries: Django 4, PostgreSQL, MongoDB, Apache Kafka, RabbitMQ, DOM manipulation, Websockets, React

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.

- Contributed to building a secure single-page web application for house plants using React.js, FastAPI, and PostgreSQL.
- Implemented 8 query functions and 11 endpoints for CRUD functionality and authentication system for user security.
- Collaborated with team members, utilizing communication and teamwork skills to ensure project success.

CarCar | Full-Stack Developer | Gitlab | 2023

Inventory management web application to manage service appointments and service history for simplified organization.

- Developed a microservice for maintaining service history by polling inventory API, enhancing inventory management.
- Designed and built user-friendly forms using React, enabling users to create appointments and technicians quickly.

PROFESSIONAL EXPERIENCE

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

- Employed 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

- Employed 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