

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 to view plant details and favorite plants to see quick care needs.

- Collaboratively designed and made a monolithic, single-page web application for plant care with React.js and FastAPI connected to a PostgreSQL Relational Database.
- Wrote 8 query functions and 11 endpoints to implement CRUD functionality protected by JWTdown-FastAPI authentication system.
- Integrated an external API for users to browse plants and favorite them by relating user-ID to its API-reference.

CarCar | Full-Stack Developer | Gitlab

2023

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

- Implemented the service microservice to maintain service history and if a user bought their car from the inventory by polling the inventory API.
- Created forms with React to allow users to create new appointments and technicians into the database.

PROFESSIONAL EXPERIENCE

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

2021-2022

- Planned and used appropriate instructional strategies, assessments, activities, materials, and technology that reflect accommodations for individual needs of 12 students.
- Worked cooperatively with 3 other teachers to modify curricula for special education students according to guidelines established in Individual Education Plans (IEP) that allowed the student to learn on pace with district expectations.

Klein Intermediate | 7th and 8th Grade Intervention Math Teacher | Houston, TX

2019- 2021

- Provided differentiated instruction, classroom management, and assessment strategies to meet the different needs of at-risk students to ensure students mastered 60% of the skills to move on to the next grade.
- Created engaging lessons and converted hardcopy materials to a digital resource so students at home and on campus could participate in class.

EDUCATION

Hack Reactor - Advanced Software Engineering Certificate

2023

Certifications/TEExs Exams: Early Childhood-6th Grade Educational Core,

2019-2021

Science of Teaching Reading, Mathematics 4 – 8, Pedagogy and Professional Responsibilities EC-12

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

2018