

# Caleb Rodriguez

## SOFTWARE ENGINEER

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Dallas/Fort Worth, TX (Open to remote)

## TECHNICAL SKILLS

**PROGRAMMING** | Python3, Javascript ES6+, SQL, HTML5, CSS, TypeScript, Unit Testing, CI/CD, Git

**SYSTEM DESIGN** | Monoliths, Microservices, Domain-Driven Design, Event Sourcing, Docker

**BACK-END** | Django 4, FastApi, PostgreSQL, MongoDB, RabbitMQ, Node

**FRONT-END** | React, Redux, Angular, Dom Manipulation, Websockets, Tailwind

**DEPLOYMENT** | Heroku, AWS

## APPLICATION DEVELOPMENT EXPERIENCE

### Nomad Nerds | *Full Stack Yelp clone application*

July - August 2022

- Collaborated with engineers to design and architect the application's features using domain-driven design principles
- Implemented Yelp's API to retrieve location data and display nearby activities based on user input
- Optimized query performance by indexing foreign keys, resulting in lookup times of less than 50ms
- Developed unit tests to guarantee the successful generation of data in the PostgreSQL database
- Utilized Trello and Gitlab's issues board to manage the team's agile workflow and assign tasks

### CarCar | *Full Stack application with a microservice architecture*

June - July 2022

- Developed a microservice-based architecture with a Python/Django back-end to improve scalability and maintainability
- Reduced response time by implementing a microservice architecture to the backend which allowed for multiple Rest Api's to communicate with each other through a polling system
- Enhanced the rate of communication between multiple REST APIs by designing a polling system for each microservice that sends requests every 2 seconds for optimal data retrieval
- Containerized the application using Docker and wrote setup scripts to configure the containers. This approach enabled us to isolate dependencies, debug issues, assign unique ports to each container, and scale the application without sacrificing performance

## PROFESSIONAL EXPERIENCE

### Target | *Arlington, TX | Sales Team Member*

2018 - 2022

- Named the "best" employee and promoted to Team Leader in less than 6 months
- Built strong relationships with colleagues and management by leveraging effective communication
- Proactively sought out learning opportunities to acquire the skills and experience necessary for leadership positions
- Played a key role in the team's success by consistently completing tasks accurately and efficiently

## EDUCATION

### Tarrant County College | *Arlington, TX | A.S. IN COMPUTER SCIENCE*

2022

- Member of Phi Theta Kappa Honors Society
- Two Honor's List Certificates: Fall 2019 and Spring 2020

### Hack Reactor | *San Francisco, CA | ADVANCED SOFTWARE ENGINEERING CERTIFICATE*

2022

- 19-week software engineering immersive program with over 1000+ hours of coding. Full-Stack development with Python, Java, JavaScript, React, Express, PostgreSQL, MongoDB, and MySQL in an AGILE environment