

# JOSE CANTU

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## Skills & Technologies

**Languages:** JavaScript, Python, CSS/HTML5, SQL, C++, Java  
**Tools:** Git, Github, NodeJs, Postman, Postbird, VS Code, Docker  
**Other:** OOP, TDD, Data Structures & Algorithms,

**Frameworks:** React, Flask, Express, Redux, Pug, Jinja  
**ORMs:** SQLAlchemy, Sequelize  
**Intangibles:** Adaptable, Collaborative, Determined

## Projects

**SeedStarter** ([Javascript](#), [React](#), [Redux](#), [Python](#), [Flask](#), [AWS S3](#), [PostgreSQL](#), [SQLAlchemy](#), [Docker](#))

[LiveSite](#) | [Github](#)

*A full stack application to gather donation support for community initiatives.*

- Implemented **Amazon Cloud Storage** for convenient image upload by allowing a user to choose an image file from their machine.
- Integrated a flux architecture using **Redux** to create a comprehensive store to reduce the amount of calls to fetch data from the database.
- Designed a live search query that displays projects based on the users search query which then updates dynamically.
- Created a **Flask** and **SQLAlchemy** API to consistently store and serve data.

**Babble** ([Javascript](#), [React](#), [Redux](#), [Python](#), [Flask](#), [Socket.IO](#), [Moment](#), [PostgreSQL](#), [SQLAlchemy](#), [Docker](#))

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*A full stack application where users are able to chat with each other.*

- Leveraged web sockets using **Socket.IO** to work seamlessly with **Redux/React** to dynamically update the content across all sides.
- Utilized **Moment** to create instances of time when messages are sent by parsing the returned object and using the timestamp column.
- Designed database for direct user messaging enabling secure messages to be shared between users by creating a joins table in **Flask**.
- Incorporated the functionality to video chat by utilizing **WebRTC** and listening for caller connections through web sockets implemented with **Socket.IO**.

**RoadTrip** ([Javascript](#), [React](#), [Redux](#), [Express](#), [NodeJS](#))

[LiveSite](#) | [Github](#)

*A loose clone of AirBnB where users are able to book and post cars*

- Streamlined car booking process by importing a **React calendar component** enabling a dynamic user interface.
- Built and designed an **Express** and **PostgreSQL** database to fetch and store data effortlessly.
- Implemented the **Google Maps API** to display the location of available cars based on the user's desired location.
- Utilized **JSON Web Tokens** with **Passport.js** to authenticate and authorize user login.

## Education

**App Academy**

Jan 2022

*A full stack 24-week immersive, rigorous coding bootcamp with an acceptance rate less than 3%*

- 1000+ hours of learning
- Technologies: JavaScript, React, Redux, Express, Sequelize, Python, Flask, SQL, TDD, OOP, Data Structures & Algorithms.

## Experience

**Swimming & Dive Official** McAllen, Texas

May 2019 - Feb 2021

*University Interscholastic League*

- Responsible for hundreds of swimmers' time results by being in charge of the OMEGA timing system.
- Distributed scores as a judge at dive meets based on the precision and execution of the dive chosen by the diver.
- Coordinated a team of officials through assigning specific tasks/roles each meet.

**Certified Lifeguard** McAllen, Texas

Aug 2018 - July 2021

*City Of McAllen and McAllen Country Club*

- Ensured the safety of patrons at multiple pools as a Red Cross Certified Lifeguard through abiding by a strict set of pool rules.
- Enforced pool safety rules to reduce the likelihood of emergencies from occurring by actively analyzing the deck/pool when on duty.
- Took charge in making sure the pool water was safe to swim in for patrons by testing the chemicals hourly.