

Juan Villarreal |

Full Stack Developer

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EDUCATION

Springboard

- Software Engineering Program, Certificate

Feb. 2023 – Jan 2024

South Texas College

McAllen, TX

- Bachelor's degree in Computer & Information Technologies
- Associate's degree in Computer Science

3.63 GPA | Aug 2020 - May 2022

3.46 GPA | Aug 2015 - May 2018

EXPERIENCE

Student Fellow

Feb 2023 – Jan 2024

Springboard

- Mastered foundational skills in front-end and back-end web development, databases, and data structures and algorithms.
- Built a React.js-based application for Magic the Gathering deck creation, leveraging PostgreSQL and Node.js to help users build a deck from all existing cards.
- Developed a Pokémon guessing game web app with Flask and Node.js, incorporating PostgreSQL for data storage.

IT Support Specialist

Aug 2015 - Present

Edinburg CISD

Edinburg, TX

- Created a local work order ticketing system to ensure issues were addressed in a timely manner.
- Developed proficiency in networking fundamentals and troubleshooting techniques.
- Created complex & interactive Google Sheets using advanced formulas and data manipulation techniques.
- Cultivated a proactive approach to problem-solving and innovation in technical support.

PROJECTS

PkmmGssr | Python, Jinja2, Flask, PostgreSQL, Flask-WTF, Flask-Bcrypt, Git

Project Link: <https://github.com/jvill171/Pkmm-Gssr> | Live App: <https://pkmm-gssr.onrender.com/>

- Developed a full-stack web application in which users must guess a randomly selected pokemon in either a timed or untimed mode, integrating the third-party PokéAPI API to access the required data
- Implemented and executed automated unit tests for the API backend models, ensuring accurate storage and manipulation of game data within the database
- Utilized Flask for server-side logic and routing, leveraging PostgreSQL as the RDBMS for database management and storage.
- Designed and implemented a user-friendly interface included optional login functionality for tracking game records and profile personalization.

Magidekt | React.js, PostgreSQL, Express.js, JWT, Bcrypt, Jest, Sass

Project Link: <https://github.com/jvill171/magidekt-frontend> | Live App: <https://magidekt.surge.sh/>

- Developed a full-stack React application for assisting users in building a Magic the Gathering decks from all existing released cards, saving them to a PostgreSQL database
- Integrated the Scryfall API to access real-time data, ensuring the application always provided the most up-to-date information.
- Created an interactive deck component to display, add, and remove selected cards from a deck
- Implemented secure login functionality using Bcrypt and JWT, ensuring account security

TECHNICAL SKILLS

Languages: Python, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: React.js, Vue.js, Flask, Express.js, Node.js, HTML5, CSS3, SCSS, Bootstrap, Tailwind

Developer Tools: Git, GitHub, Docker, VS Code, Visual Studio, Jest, Jasmine, Firebase, NPM

Libraries: SQLAlchemy, jQuery, Axios