

# Jose Mejia

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## Technical Skills & Certificates

**Front End:** JavaScript, TypeScript, React, React Native, Next, Node.js, Redux Toolkit, HTML/CSS, Scss, Axios

**Back End:** PostgreSQL, MySQL, Express, Prisma, MongoDB, Ruby on Rails

**Deployment:** Netlify, Vercel, Render, Heroku, Railway, github pages

**Developer Tools:** Git, npm, GitHub, Xcode, Postman

**Libraries:** TailwindCSS, Firebase, Three.js,

**Aircraft mechanic | Federal Aviation Administration**

Qualified to perform crucial maintenance tasks to uphold the safety and integrity of aircraft.

January 2020

## Work Experience

**Web Development Instructor | Pursuit**

June 2021 - Present

- Developed comprehensive educational documentation, guiding students through the intricacies of complex concepts such as React, Agile methodologies, APIs and RESTful Services, data structures and algorithms, fostering a learning environment that emphasizes the importance of clear and effective documentation.
- Established a supportive and inclusive classroom environment, fostering positive relationships with students and promoting an atmosphere conducive to learning and personal growth, resulting in consistent NPS scores above 70%.
- Facilitated interactive discussions and debates, encouraging critical thinking and active participation in collaborative coding projects to enhance students' analytical and communication skills, leading to 100% of the participating students incorporating fully-functional applications in their portfolios.

**Assistant Manager | Starbucks Coffee Company**

June 2015 - June 2021

- Created a system for tracking out-of-stock merchandise, ensuring that all customers were informed of the status of their requested merchandise leading to a 10% decrease in stock waste.

## Software Engineering Projects

**Harmonic**

<[Live Project](#)>

- Technology Utilized:** React, Ruby on Rails, PostgreSQL, AWS S3, Redux, Railway, RESTful APIs
- Synopsis:** Dive into the world of musical exchange with Harmonic, a Reverb.com inspired platform built with React, Redux, Rails, and PostgreSQL. Offering a seamless experience, it features a user-friendly modal interface, AWS S3 integration for media hosting, and dynamic instrument review capabilities. Musicians can effortlessly buy and sell used gear while enjoying a streamlined and interactive environment.
- Technical Results:** Harmonic, a Reverb.com clone, leverages React, Redux, Rails, and PostgreSQL for a robust musical gear marketplace. The project highlights include a meticulously crafted modal interface using CSS and React components for smooth user interactions in login/signup and reviews. AWS S3 integration optimizes scalability and media retrieval efficiency. The application also features dynamic CRUD functionality for instrument reviews, enhancing user engagement and fostering effective sharing of experiences.

**What's Cooking?**

<[Live Project](#)>

- Technology Utilized:** Javascript, React, Redux, Express, Node.js, MongoDB, Heroku, RESTful APIs
- Synopsis:** Discover culinary creativity with 'What's Cooking?' - a dynamic website powered by React, Express, Node.js, Mongoose, and MongoDB. Users can effortlessly find recipes based on fridge ingredients, with captivating animated typography design for an engaging experience. The site's seamless integration of Spoonacular enhances user interaction, providing a delightful journey through the world of cooking.
- Technical Results:** Crafted with a robust MERN stack, 'What's Cooking?' showcases advanced features such as ingredient-based recipe searches. The project involves intricate utilization of React, Express, Node.js, Mongoose, and MongoDB. Animated typography, implemented with JavaScript and CSS, enhances user engagement. Proficiency in Redux architecture and complex Object-Oriented concepts optimizes website performance, while seamless integration of Spoonacular API enriches the platform with dynamically populated ingredients and recipes.

**Battle for Yavin**

<[Live Project](#)>

- Technology Utilized:** Javascript, HTML, CSS, github pages
- Synopsis:** Experience a nostalgic blend of Star Wars excitement and classic Gradius gameplay on a visually immersive 90s-inspired arcade-style website. Powered by vanilla JavaScript and HTML5 canvas, the project seamlessly integrates game rendering and collision simulation for a truly interactive and retro gaming experience.
- Technical Results:** Leveraged JavaScript for game logic, HTML5 canvas for rendering, and a solid understanding of collision detection algorithms to simulate real-world collision between ships and projectiles, contributing to a seamless integration of gameplay within the nostalgic theme.

## Education

**Computer Science (B.S.) | Queens College, City University of New York | Queens, New York**

**Relevant Course Work:** Calculus I, Calculus II, Computer Programming I in C++, Mathematical Structures for Computer Science, Computer Programming II, Data Structures and Algorithms

**Full Stack Software Engineering | App Academy | New York, New York**

October 2020 - February 2021

**Relevant Course Work:** Javascript, TypeScript, HTML, CSS, SCSS, React, Redux, PostgreSQL, Test Driven Development, Deployment with, ElephantSQL, Ruby, Ruby on Rails