

Jonathan Velez

Software Engineer

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Professional Summary

During my time in university, I successfully navigated challenges, such as mastering new technologies and participating in large-scale collaborative efforts. My commitment to delivering impactful solutions is evident in these projects, highlighting my adaptability. More details can be explored on the portfolio link.

Technical Skills

Programing Languages: Python • Java • C++ • C • C# • JavaScript • CSS • HTML • PHP • SQL • Swift
Data Management and Tools: MongoDB • MySQL • Docker • Back4app • DigitalOcean • Heroku
Libraries and Frameworks: React.js • Node.js • Express.js • Django • SwiftUI • Jest

Project Experience

Tesseract (Air Force) Aircraft Maintenance Automation | Lead Frontend Developer

Utilizing the Django Framework and employing a tech stack that included JavaScript, CSS, HTML, and Python. A dynamic Web Application designed for the Airforce, enabling multiple base locations to automate their aircraft maintenance schedules compared to sharing Excel Documents. Engineered a robust parser solution to enhance project functionality, allowing seamless integration of unformatted Excel documents into a standardized format. This parsing feature streamlined the process of importing past data into the database, improving efficiency and accuracy.

Restaurant Rating Web Application | Lead API Developer

I implemented user security features, including two-factor authentication, rate limiting, input validation, token expiry and refresh, auditing and logging, data encryption, and API gateway security, ensuring the application's resilience. Leveraging the React Framework, using Node.js, and Express.js, I crafted a robust API with a Mongoose schema for efficient data management. Comprehensive unit tests were developed using Jester to guarantee the reliability of features. The application allows users to obtain local restaurants information including photos, hours, menu, cuisine, and customers reviews.

Event Planner | Full-Stack Developer & Project Manager

I lead my team to create an event planner hub for multiple universities. Applying a Lamp Stack using Figma design to craft a seamless and user-friendly platform. Provided the fundamentals and taught my team to use tools such as: JavaScript, CSS, HTML, PHP, MySQL. The application basically allows users to effortlessly explore and engage with university events, while also providing event organizers with the capability to initiate and request approval through a dedicated administrator account.

Workshop

iOS App Development – Codepath

Completed Codepath's intensive iOS App Development 16-week program, a comprehensive and hands-on course covering the latest industry practices and tools in iOS application development. Acquired proficiency in Swift programming language, Xcode IDE, and iOS SDK.

Education

University of Central Florida | Bachelor of Science in Computer Science

January 2021 – December 2023

Valencia College | Associate in Arts Degree

August 2018 – December 2020