

Introduction

I am a dedicated and results-driven developer with a passion for building innovative solutions and solving complex problems. With a background in both self-taught and formal education, Recently, I have been learning C#, .NET, and MAUI. I'm continually expanding my skill set and knowledge base. My hands-on experience spans across various projects, ranging from full-stack development to embedded systems and mobile applications. I thrive in collaborative environments and am committed to delivering high-quality, efficient, and scalable software solutions. My strong organizational skills, ability to manage time effectively, and adaptability make me a valuable team player and a dependable professional in the tech industry.

Personal Projects

Project NT - [Link](#) - August 2023 to March 2024 (Full Stack Development)

Building a system that consists of microservices that fulfill business needs. The system provides adaptable and easily expandable resources to browser-based interfaces. The goal is to decrease the overall time it takes to produce React applications by focusing the work on the front-end through a configurable back-end.

Tools: {Java 17: [Spring Boot 3, Spring Cloud, Eureka, Gateway, Spring Security, JUnit 5, Spring Data JPA], Docker, PostgreSQL, React: [TailwindCSS, Axios], Eclipse, VS Code, Xubuntu, Twilio, SendGrid}

NT - December 2022 to Current (Product Development)

Design and print functional items for various applications, such as terrarium decor, interior lighting, air filtration, and interior plant growing.

Tools: {Prusa MK3, Fusion 360, Tinkercad}

Greenworks - [Link](#) - 5 months (Backend Development)

I participated in a mapping project with the city of Orlando called Greenworks where I was a co-lead of a team of 4 people. We produced a launchable release using a customer facing development process. My roles were API design, unit testing, integration testing, generating manual test plans, documentation, library migrations, automate builds, deployment, logging, coaching, organize meetings, and conducting code reviews.

Tools: {Java 8: [Glassfish, Jakarta, Hibernate ORM, JUnit 5, TinyLog, Maven, Tomcat], Docker, Jenkins, DigitalOcean: [Ubuntu], GitHub, Visual Studio Code, Eclipse}

N.S.S. Notify - [Link](#) - 4 months (Full Stack Development)

Built a web application for where users were able to creating and assign SMS notifications for tasks to their employees by sending text messages and emails at a specified time.

Tools: {Angular 13: [TypeScript, JavaScript, RxJS, HTML5, CSS], Java 11: [Spring Boot 2, Spring Security, Spring Data JPA, JUnit 5, Lombok, SLF4J, Maven, Tomcat], MySQL, Docker, Firebase, DigitalOcean: [Ubuntu], GitHub, Visual Studio Code, IntelliJ}

Data Collection - [Link](#) - 5 months (Embedded Development & Data Analysis)

Developed a system that detected and documented the number of vehicles entering my neighborhood. Performed data analysis on collected dating using Jupyter Notebook with a few Python libraries. I recommend watching one of my end of the semester final presentations, there is a short and a long version located in the readme in repository.

Tools: {Raspberry Pi, Python: [Jupyter Notebook, Pandas, NumPy, Matplotlib, Seaborn], Thonny IDE, GitHub}

Android App - [Link](#) - 2 months (Mobile Application Development)

Developed and deployed a simple calculator android application to put into practice acquired knowledge while I was taking a course. Published my application on the Google Play Store.

Tools: {Dart: [Flutter], Visual Studio Code, GitHub, Google Play Store}

Currency Converter - [Link](#) - 2 months (Desktop Development)

Developed a currency conversion desktop client-server application that data scraped, processed, filtered, generated, and displayed 3 years of currency related data.

Tools: {Java 11, JUnit 4, JavaFX, MySQL Connector, IntelliJ, Scene Builder}

Skills

Time management, organization, team player, quick learner, documentation, full-stack, unit testing, problem solver, dependable, adaptable, communication

Education

B.A.S. Computing Technology and Software Development from Valencia College