Victor Torres | 850-346-5971 | vt.antonio20@gmail.com | https://vtantonio20.github.io/myportfolio/ |

PROFESSIONAL EXPERIENCE

Software Engineer, Cummings Aerospace, Saint Petersburg, FL, February 2025 – Present

- Developed C++ software for embedded systems in a Linux-based environment, supporting mission-critical applications Department of Defense systems with an emphasis on cross-platform compatibility and system-level performance
- Implement architecture-aware serialization in C++ enabling reliable data exchange between heterogeneous systems with differing endianness and memory alignment, critical for embedded interoperability.
- Applied Linux terminal tools and scripting to automate workflows, streamline testing, perform advanced file system operations, and build commands for C++ programs.
- Participated in the use of continuous integration pipelines using Jenkins, ensuring automated builds, tests, and deployments of C++ projects with version-controlled configurations.
- Worked across virtual machines and networked environments using Exceed TurboX, PuTTy and WinSCP from a windows desktop to interact with remote Linux systems for code deployment, debugging, and file transfer.

Software Developer, Innovative Professional Solutions, Panama City, FL, May 2023 – February 2025

- Developed GIS relevant Java desktop application for the Department of Defense (DoD), utilizing Swing, HTML, Hibernate, PostgreSQL, and Apache CXF to meet complex technical requirements.
- Implemented REST and SOAP web services, relating to external communications for the desktop application. Enabling the transmission of complex data in the form of XML and JSON with external systems. Ensuring compliance with third-party requirements and security standards beyond the scope of my assigned project.
- Configured and maintained Maven for dependency management, of a complex project encompassing multiple repositories with differing child/parent relationships and include/exclude statements, in Java 8 and Java 17+ environments. Decreasing development time by being able to take advantage of open-source dependencies. In one instance, code duplication decreased by taking advantage of an open-source Maven plugin to copy over test suite from one repository to another, specifically useful for shared test object factories in this case.
- Utilized Hibernate ORM to optimize database operations, ensuring efficient data management and system performance. Converted PostgreSQL byte arrays into fully mapped Hibernate entity objects using annotations, enabling improved data modeling, scalability, and ORM functionality. Developed and executed SQL migration scripts to create the necessary database tables, ensuring seamless integration with the updated schema.
- Participated in Agile development processes, including daily standups, code reviews, and sprint planning using Jira.
- Conducted unit testing with JUnit to maintain high-quality standards and reduce defects before deployment.

Student Developer, Verifone, Clearwater, FL, August 2022 – May 2023

- Developed web application using Angular, Spring Boot and MongoDB, managing loyalty program configurations for employers through a unified interface.
- Integrated frontend and backend aspects, utilizing RESTful APIs for data retrieval, ensuring accurate data display from MongoDB database.
- Ensured clean and responsive design by working with in-house UI tools and modern front-end technologies.

SKILLS

Programming Languages: Java, C++, Python, JavaScript, Typescript, SQL, HTML, CSS
Frameworks and Libraries: Java Swing, Hibernate, JUnit, React Native, Flask, Spring Boot, Angular
Technologies: Git, Jira, Bitbucket, Confluence, VMWare, PostgreSQL, MongoDB, Eclipse, Postman, JSON

EDUCATION

- *University of Florida, Gainesville, FL*, January 2021 – May 2023
  Bachelor of Science in Computer Science, GPA: 3.65/4.00
- Gulf Coast State College, Panama City, FL, August 2019 – December 2020
  Associate of Arts in Liberal Arts, GPA: 3.7/4.00

PERSONAL PROJECTS

FitTrackr, March 2023 - Present

- Developed a full-stack fitness tracking application using React Native and Flask for user authentication (Google sign-on) and data management. Use Postman to test sending of JSON between backend and frontend.
- Integrated third-party libraries for enhanced user experience across iOS and Android platforms, ensuring a seamless interface.
- Built RESTful API and backend systems for data persistence, aligning with modern software architecture practices.

OTHER QUALIFICATIONS

- Active Secret Security Clearance