

John Laffey

Software Engineer

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EXPERIENCE

Software Engineer, City of Sanford

Jan 2024 - Mar 2025

- Automated data updates from AS/400 to SharePoint using Bun.js and Go, ensuring real-time user experience and data accuracy.
- Managed Linux servers for the deployment and development of applications, maintaining a stable and efficient environment.
- Engineered multiple Power Apps and Power Platform solutions, significantly reducing reliance on costly third-party applications and generating cost savings.
- Administered the CentralSquare Lucity EAM system, managing asset and work order processes for all city departments.
- Optimized city-wide processes and data structures to improve efficiency and enhance data integrity.
- Developed custom SharePoint solutions using the SharePoint Framework (SPFx) to meet specific business needs.

Software Engineer, FlexShopper

Jan 2024 - Mar 2025

- Designed and implemented software solutions to meet specific business requirements.
- Developed internal tooling to assist with maintaining and testing e-commerce platform using .NET, Python, JavaScript, and Go.
- Developed and maintained software applications using modern technologies.
- Collaborated with stakeholders to gather and analyze software requirements.
- Build advanced database queries in both SQL and MongoDB to assist in writing reports for business.
- Developed data manipulation functions to help transport data to various 3rd party software vendors within Twilio Segment to reduce JS scripts being injected to frontend.
- Respond to customer tickets using Jira to handle site issues including login, billing, and site issues for in-store and online customers.

SKILLS

Computer Programming -
TypeScript/JavaScript, Go,
Python, SQL, MongoDB

Tools - Django, Docker,
RabbitMQ, BigQuery, React,
Pandas, Selenium, Puppeteer,
Jest

Linux, Bash

GIS Developer, City of Apopka

Aug 2023 - Jan 2024

- Developed data models and performed statistical analyses.
- Created reports and data visualizations to communicate findings.
- Collaborated with stakeholders to understand data requirements and deliver actionable insights.
- Developed digital construction inspection workflow and data storage system using Survey123, ESRI Arcade, and JavaScript to better handle complex data validation within the smart form. This took the city's paper inspection platform and made it digital.
- Wrote python script to automate utility assessment procedures generating precise maps for clients.
- Created and visualized maps utilizing ArcGIS Pro, enhancing the presentation and communication of geospatial information.
- Developed Apopka Traffic Signals web application from recently completed inventory & integrated with Survey123 to enable mobile quarterly preventative maintenance inspections via Field Maps app, providing real-time data for audits.
- Seamlessly integrated Survey123 field layers with feature layers, optimizing the accuracy of data provided to MS4 inspectors and bolstering decision-making.
- Wrote python scripts to model the amount of dirt removed by contractors to ensure they were on target with what the original plans described.

Chemistry Teacher, Broward County Public Schools

Aug 2019 - Aug 2023

Welder, JBT Aerotech

May 2015 - Oct 2016

Military Working Dog Handler, United States Air Force

Aug 2006 - Sep 2013

EDUCATION

University of Central Florida, Orlando FL — *M.S. Fintech*

Aug 2024 - Jan 2026

Broward College, Davie FL — *B.S. Environmental Science*

May 2019 - May 2021

Summa Cum Laude - GPA: 3.87

Broward College, Davie FL — *Geographic Information Systems Certificate*