Michael Edmondson

EXPERIENCE

Tripwire Inc. — *Quality Engineer*

December 2016 - Current

Wrote test plans for Linux based product

Automated our stabilization process by writing a wrapper for our agile management tools to generate dynamic test plans

White box and Black box testing

Wrote automation for testing (Using Pytest and a custom framework) and recently transitioned to Javascript and Cypress

Helped run hardware lab for our product along with PXE boot framework

Diversitech —*Quality Technician*

November 2015 - December 2016

Handled daily inspections for materials and products

Used C=0 inspection plan to test condensate pumps

Maintained inventory of quality area using JDEdwards 9.1

Started project/prototype to automate manual testing of HVAC Condensate pumps

GFG Resources — *Warehouse Manager*

Yeah November 2013 - November 2015

Developed Python based scanner for Raspbian (on RPi) to retrieve barcoded Bill of Materials for orders.

Designed an application to scrape XLS and XLSX Bill of Materials for relevant information for inventory purposes along with barcoding Bill of Materials.

Designed and developed the backend (PostgreSQL Database) for inventoried materials and automating orders.

EDUCATION

Western Governors University —*Computer Science, BS*

June 2019 - Projected December 2020

SKILLS

Git
Python (2 & 3)
UI Automation (Selenium, Cypress)
Backend Automation (Pytest, Django Unit Tests)
Linux
Docker
Exposure to cloud platforms (Google Cloud & AWS)

Company Hackathons — *POC to reduce lab infrastructure*

- POC for a machine that uses a honeypot daemon to be used in scanning tool testing environment to replicate machine infrastructure
    - Refactored later using Docker and a nmap responses rather than the older daemon

PLC Work — *Worked with manufacturer to create a method of tracking machine cycle time*

- Created an application that used a Total Automation PLC and a python server to track machine cycle time and identify areas of failure using TCP.

Heroku Experimentation — *A webpage that allows a remote connection to spin up sample code*

- Currently engaged in a personal project that uses JQuery Terminal with a Go backend that can spin off one off dynos (containers) of the main instance to demo github code in the browser.