Jonathan Tarness

Contact Information

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Education, Certififcates, and Other Credentials

Wentworth Institute of Technology B.S in Computer Science
CompTia Security Plus
Secret Level Security Clearance

Job History and Experience

Raytheon Technologies   2021-Present
Infrastructure Workplace Analyst   Tewksbury, MA

- Deployed, configured, and administered new software factory to help modernize program development tools (BitBucket, Jenkins, Jira, Artifactory, and more)
- Fixed podman containers that hosted dev-ops tools which reduced downtime of each service
- Ensured secure and fast connection(https) between program tools with SSL certificates allowing for HTTPS connection
- Created Python Program with Shell helper scripts to automate Security STIG Checklist allowing a checklist to be done in a minute that would normally take a single person a day to do saving the company around $100,000 for not needing an extra admin
- Maintained Ansible playbooks that standardized new system configuration allowing multiple new systems to be built and securely hardened in the time it would take a single system
- Scripted LDAP/AD queries to receive user information for enhanced program security

LightRiver Technologies   2018-2020
Python Data Analysis   Salem, NH
Created Python Program to read kpi metrics from an excel sheet to generate more KPI metrics and charts. This added information helped reduce operation costs.

Knowledge and skills

Data Science

- Python 3 for programming
- URL requests and selenium libraries for web scraping and data mining
- Pandas for creating data frames and data engineering
- NumPY for fast array manipulation
- matplotlib for data graphs
- scikit-learn for developing machine learning models
- TensorFlow and PyTorch for creating deep learning models

Web Development

- Setting up Linux web servers (physical, virtual machines, containers)
- Configuring Apache and nginx web server back-end
- ssl certification and cert bot for https encrypted connection
- JavaScript, HTML, and CSS for basic front-end web development
- React and Astro frameworks for more advanced front-end web development
- jquery for communicating APIs between client and server
- Flask and NodeJS frameworks for creating back-end API connections
- PostgreSQL, MySQL, and SQL for database management