Douglas A. Stewart

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dougstewart.tech

Driven IT enthusiast gaining experience through professional work and a home lab. Currently spending my downtime by practicing Python, exploring tryhackme.com, tinkering in my home lab, deploying new systems to cement my coursework, and helping friends work through computing issues.

CERTIFICATIONS
- CompTIA CSIS
- CompTIA Security+
- CompTIA Network+
- CompTIA A+

SCRIPTING LANGUAGES
- Python
- Bash
- YAML

Home Lab Experience
- Used containers in a Type 1 Hypervisor to minimize resource usage for deployment of 50 crypto-mines, decreasing resource consumption to approximately 25% of what virtual machines required.
- Created a process and trained a non-technical user to deploy crypto mines on-prem, creating significant savings by switching from a cloud supplier.
- Deployed a server using Red Hat Enterprise Linux (RHEL) to function as a Network Attached Storage, DNS sinkhole, and content filter.
- Hardened home Ubuntu server hosting multiple web-based applications as well as public game servers.
- Designed, checked compatibility, purchased components, built, and deployed a desktop gaming computer with a focus on virtual machine capability for additional home lab work. Build was completed on budget and above performance benchmark requirements.
- Created Ubuntu live-boot USB for troubleshooting networking issues for friends and side projects.
- Used Windows laptop infected with malware to recover important family documents by scanning each file for malware using a quarantined sandbox Ubuntu environment.

PROFESSIONAL EXPERIENCE
Spark Power – 4900 Diplomacy Rd, Fort Worth TX 76155   05/23-Present
Renewable Power Operator   2023-2024
- Worked to consolidate 13 proprietary interfaces into unified presentation of site information and performance. Identifying issues with shifting inputs and implementing solutions to prevent further manual maintenance.
- Clearly and concisely communicate with federal regulators, informing of production limitations and energy curtailment restraints.

Analyst   2024-Present
- Generate and present monthly, weekly, and daily reports for internal and external customers.
- Interpret raw data coming from over 300 solar sites, detecting issues with production from string outages, tracking, underperformance or weather-related issues.
- Onsite support for remote (Canadian) IT team, troubleshooting and reconfiguring the network to allow remote connections.
- Assisted with upgrading the offices to be compliant with CIP Medium Impact regulations, ensuring continued compliance with regulatory requirements.
- Automated internal reports using customer supplied APIs, Python, and Excel.