

Jonathan D. Herman

jonathan.herman@hermantech.net (215)253-4312

linkedin.com/in/jondherman github.com/jherman19446

Skills and Toolsets: Docker, Vagrant, JenkinsCI, Ansible, Linux, Git, Github, AWS, OCI, Networking / Routing, Active Directory / LDAP, apache, NGINX, Windows, Virtualization, NAS / Network Storage

Site Reliability Engineer
Lansdale Public Library

Oct 2021 - Present
Lansdale, PA

- Moved the web server to the cloud eliminating downtime for patrons and staff alike during local outages or maintenance.
- Made DNS redundant by building a cloud based DNS server on BIND. This reduces downtime when servers go down for critical updates.
- Built a full CI / CD pipeline using Jenkins resulting in an automatic deployment to production
- Integrated automated tests consisting of a link checker and vulnerability scanner. after all tests are passed changes are automatically deployed to the production server. ·
- Implemented Ansible to automate updates of mission critical workstations, and automate the configuration of public workstations.

Network Administrator
Lansdale Public Library

July 2008 - Oct 2021
Lansdale, PA

- Implemented server-monitoring stack to collect uptime statistics, patch levels, outage reporting, and tracking print services / supply ordering using PRTG. ·
- Implemented network segregation using both physical and logical methods to secure both staff and patron communications. ·
- Deployed a mesh wireless network to facilitate a seamless user experience throughout the facility. ·
- Implemented MSP360 backups to a TrueNAS storage device with regular health checks dependent on data criticality resulting in an RPO of no more than eight hours and an RTO of three hours maximum. ·
- Co-maintain the Lansdale Library website by updating content for end users and optimizations using Lighthouse metrics improving page speed and loading metrics by 93.6%.
- Began using ManageEngine RMM solution to increase observability, reliability, and efficiency.
- Recovered vital resources from a ransomware attack by end of business day 1 and restored full functionality without loss by day 3.

Education

Lincoln Technical Institute class of 2008
Network Systems Administration
Graduated Summa Cum Laude