

OBJECTIVE

To apply my skills and experience as a sys admin while continuing to learn, grow, and have fun.

EDUCATION

Master of Science in Information Technology

University of Massachusetts Lowell, Lowell, MA

Sept. 2022 – December 2024

Graduate Certificate in Network Security

University of Massachusetts Lowell, Lowell, MA

Jan. 2015 – May 2016

Bachelor of Science/Business Administration in Management Information Systems

University of Massachusetts Lowell, Lowell, MA

Jan. 2012 – July 2014

Associate of Science in Information Technology

Middlesex Community College, Lowell, MA & Bedford, MA

Sept. 2008 – July 2011

CURRENT CERTIFICATIONS

ISC² CISSP

Obtained June 2017

WORK EXPERIENCE

Group IT Lead

June 2022 – Present

Systems Administrator (Level 4)

April 2019 – Present

MIT Lincoln Laboratory, Lexington, MA

- IT lead for space systems analysis & test group. Sets and executes strategic vision for group's IT needs. Responsible for all purchases, licenses, budgeting, vendor relationships, security posture, and communications to staff and senior leadership. Liaison to IT manager at the division level to report status and advocate for group. Oversees two other system administrators and mentors and supervises interns and co-ops.
- Primary custodian and administrator for group's high side network and closed area. Responsible for training users on both physical and cyber security aspects of environment. Installs, maintains, and upgrades all systems within security boundary. Meets with security biweekly to remediate any issues. Leads effort to pass yearly security audits.
- Sole system administrator for telescope observatory field site. Executed multi-year project to upgrade legacy telescope control and sensing systems. Traveled multiple times to field site in the Marshall Islands to support telescope and computer refurbishment.
- Served as lead system administrator for medium-sized, high visibility program. Took over while project was mid-life and remediated architectural deficits. Executed purchases of equipment, configured, and deployed according to strict security standards. Stood up and integrated Linux environment into existing infrastructure. Deployed several applications and services including Jira, Confluence, Bamboo, Bitbucket, and Exchange and integrated into domain. Introduced automation tools into every aspect of environment to improve system integrity, manageability, and availability. Worked closely with information security and assurance team to ensure environment remained compliant with government sponsor requirements. Led effort from system administration side to successfully pass multiple on-site government inspections. Won multiple awards for this effort.

TECH SKILLS

In order of experience level

- Microsoft Windows/Server
- RHEL/CentOS and Debian/Ubuntu
- VMWare ESXi & vCenter
- Deploying and managing popular web apps, e.g. Atlassian stack & Wordpress
- NAS & SAN storage
- Desktop & server backup (Veeam, Backup Exec, Acronis, NetBackup)
- OS image creation & deployment (MDT/WDS, Acronis, Ghost, Clonezilla, Kickstart)
- TCP/IP Ethernet switching & firewalls
- Deployment and management of DevSecOps pipeline (GitHub/Lab, Jenkins, Atlassian stack)
- PowerShell scripting
- Automation with Ansible
- Python 3 and CircuitPython development
- Arduino C development

Senior Systems Administrator (Level 3)

July 2016 – April 2019

Systems Administrator (Level 2)

August 2014 – July 2016

The MITRE Corporation, Bedford, MA

Self-managed with daily operational duties and long-term projects. Managed the technical infrastructure for several closed areas and provided lifecycle support for all systems. Responsible for securing, auditing, and remediating vulnerabilities in closed areas. Acted as the point of contact for staff within the labs regarding technical issues.

Selected projects:

- Researched cloud alternatives for government computing work. Designed, deployed, and managed hundreds of nodes in the AWS environment for benchmarking purposes with Ansible.
- Deployed a high-availability distributed cluster for image processing. Built servers from parts and configured with cluster technologies such as GlusterFS. Earned an award for this project.
- Wrote a PowerShell-based utility for analyzing Windows event logs which is used extensively throughout the campus. Developed a Python-based utility for simplified creation of discs containing patches and antivirus definitions.

IT Technician

June 2011 – August 2014

J.N. Phillips Auto Glass, Woburn, MA

Worked in a small IT team to service about 200 desktop and laptop computers, 150 Android tablets, and 20 servers, both physical and virtual. Performed regular help desk work such as responding to e-mailed tickets and phone calls. Assisted both local and remote users via LogMeIn remote access. Performed maintenance and upgrades on Windows servers in a VMWare infrastructure. Took charge of many security aspects including antivirus infrastructure, spam filtering, firewall configuration and monitoring, and malware remediation. Initiated and executed several projects including implementing a custom database solution for devices, building standardized desktop imaging infrastructure, and standardizing and clustering ESXi hosts.

VOLUNTEER EXPERIENCE

Museum Volunteer

February 2022 – Present

Rhode Island Computer Museum, North Kingstown, RI

Restore donated vintage computers to working state and configure for demonstration suitable for exhibition. Set up small, mostly Arduino-based electronics projects suitable for hands on activities. Give guided tours of exhibits and lead hands on activities to museum visitors.

HOA Board of Trustees Secretary & Webmaster

March 2020 – March 2022

DiPalma Estates, Tewksbury, MA

Elected to homeowners' association board of trustees for the condo complex in which I live. Held joint position of secretary and webmaster. As webmaster, responsible for maintaining the association's website based on Wordpress. As secretary, responsible for taking minutes during monthly meetings, writing, posting, and delivering notices to homeowners, and signing official documents relating to sales of homes.

Marine Mammal Dive Volunteer

August 2018 – March 2020

New England Aquarium, Boston, MA

On a weekly basis, dove on SCUBA in seal & sea lion enclosures to vacuum algae from exhibit floor and walls. As scientific diver, gathered data on algae growth and recorded electronically.