

## Summary

Senior Sys Admin and Cyber Security professional with over 30 years of experience in software and cyber engineering. Expert in Ansible, Python, and Linux system management, with a proven track record in vulnerability assessments, automation, and open-source contributions. Skilled in leading teams to achieve security objectives in high-stakes environments.

## Education

B.S. in Engineering, **United States Air Force Academy**, Colorado Springs, CO

Additional Coursework: Cryptography, Software Engineering, Data Structures, Database Design, Computational Linguistics.

## Special Skills

**DevOps/Agile:** Ansible, Jira, Bitbucket, GitHub, Kanban, Mind maps, Microsoft Teams, Zoom and Scrums

**Programming:** ALGOL, Bash, Java, Python3, Jython, PHP, C, C++, FORTRAN, BASIC and Ada

**Operating Systems:** Linux, Free BSD, Solaris, VAX/VMS, CP/M, ZCPR3, BeOS, Haiku and Windows

**Protocols:** DNS, LDAP, SSH, GEMINI, HTTP, HTTPS, SMTP, POP, IMAP, GEMINI, etc.

**Assembly:** Sparc, MIPS, 6502, X86\_64 and Z80

## Experience

**Infrastructure Engineer III ♦ JPMorgan Chase ♦ Tampa, FL ♦ (Apr 2025 – Present)**

- ♦ Re-implemented PERM Decision Tree Builder in Python.
- ♦ Supported Critical Financial infrastructure.

**Cyber Security Engineer III ♦ JPMorgan Chase ♦ Columbus, OH ♦ (Sep 2018 – Mar 2025)**

- ♦ Developed Ansible playbooks as recognized SME, automating Cyber Security tool deployments.
- ♦ Managed Tenable Nessus, ensuring system hygiene and vendor coordination.
- ♦ Conducted vulnerability assessments on millions of network assets.
- ♦ Awarded AutoM8 Champion Badge for firm-wide community participation.

**Linux System Manager ♦ The Ohio State University ♦ Columbus, OH ♦ (Mar 2001 – Aug 2018)**

- ♦ Administered 100+ Linux servers (Oracle, Tomcat, Zimbra, Apache).
- ♦ Automated NIST/CIS security baselines using Puppet and Ansible.
- ♦ Developed Python scripts to migrate 100K+ email accounts to IMAP.
- ♦ Supported national surveys for Census Bureau and Bureau of Labor Statistics.

**Lead Unix System Administrator ♦ TEAM America Inc. ♦ Columbus, OH ♦ (Oct 1998 – Mar 2001)**

- ♦ Migrated corporate Windows websites to Linux/Apache, improving performance and reducing costs.
- ♦ Implemented multi-zone DNS and dynamic PHP/Oracle web pages.
- ♦ Automated Oracle form/report replication using Rsync and Samba.

**Assistant Manager, Network Operations ♦ Ameritech Cellular ♦ Columbus, OH ♦ (Jul 1997 – Oct 1998)**

- ♦ Upgraded cellular network to CDMA, while maintaining 25+ cell sites.
- ♦ Managed T-1 lines, microwave links, and RF equipment.

**Staff Engineer ♦ International Consultants, Inc. (ICI) ♦ Dayton, OH (Jan 1997 – Jul 1997)**

- ♦ Designed hypertext Decision Support System for Air Force hazardous chemical usage.
- ♦ Implemented Analytical Hierarchy Process (AHP) using decision trees, eliminating complex mathematics.

**Staff Engineer ♦ Aeronautical Radio, Inc. (ARINC) ♦ Dayton, OH (Jan 1995 – Nov 1996)**

- ♦ Advised on Public Key Infrastructure (PKI) as RSA Public Key Cryptography SME.
- ♦ Developed GPS vehicle locator and differential GPS correction systems.

**Embedded Software Engineer ♦ HQ Air Force Materiel Command ♦ Wright-Patterson AFB, OH (Sep 1991 – Dec 1994)**

- ♦ Chaired Software Engineering Education Working Group for Joint Logistics Commanders.
- ♦ Managed Air Force Ozone Depleting Chemical (ODC) policy systems.
- ♦ Represented Air Force on IEEE POSIX standards team.

## Projects and Presentations

“pyPERM-DecisionTree Decision Tree Builder,” Open Source Project (Apr 2025)

“Configuring Perdition Proxy Using an Existing LDAP Server,” Mail Retrieval Proxy (May 2003)

“Avoiding Type 3 Bitmap Fonts in PDFs,” Free Software Magazine (Mar 2002)

“Micro Publishing,” O’Reilly Open Source Software Convention (Jul 2001)

“Using Perm Decision Tree Builder,” O’Reilly Open Source Software Convention (Jul 2001)

