

## Summary

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, GitHub, Bitbucket, Scrum, Kanban, Decision Trees, Mind Maps
- **Programming:** Python3, Bash, Java, C/C++, PHP, Ada
- **Operating Systems:** Linux, FreeBSD, Solaris, Windows, BeOS, Haiku
- **Protocols:** DNS, LDAP, SSH, HTTP/HTTPS, SMTP, IMAP, GEMINI
- **Assembly:** Sparc, MIPS, 80x86, Z80

## Experience

**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.
- Contributed Markdown support to text-to-freemind open-source project.
- 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.

**Embedded Software Engineer ♦ HQ Air Force Systems Command ♦** Andrews AFB, MD (Dec 1988 – Sep 1991)

- Represented Air Force on IEEE POSIX standards team.
- Managed \$20M Computer Resource Management Technology (CRMT) program, funding the Software Engineering Institute.

**Lead Systems Engineer ♦ Aeronautical Systems Division ♦** Wright-Patterson AFB, OH (Feb 1983 – Dec 1988)

- \$21M B-1B Cockpit Procedures Trainer Lead Engineer and \$10M T-46 Flight Simulator Software Engineer.
- Identified flight handling issues in T-46 Trainer, confirmed by test pilots.

## Projects and Publications

- “[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)
- “[Using Perm Decision Tree Builder](#),” O’Reilly Open Source Software Convention (Jul 2001)
- “[Micro Publishing](#),” O’Reilly Open Source Software Convention (Jul 2001)
- “[Micro Publishing](#),” Linux Gazette, Vol. 47 (Nov 1999)
- “Future of Software Engineering Standards,” IEEE Standards Conference (1994)

