

## Summary

Senior Systems & Cyber Security Engineer with 30+ years leading infrastructure automation, vulnerability management, and secure Linux environments in finance and government. Recognized Ansible/Python expert, open-source contributor, and automation and documentation as code evangelist.

## Education

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

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

## Core Technical Skills

- ♦ **DevOps & Automation:** Ansible (SME), Puppet, GitHub, Bitbucket, Jira, Kanban, Scrum
- ♦ **Languages:** Python, Bash, Java, C/C++, Ada, PHP, ALGOL, FORTRAN
- ♦ **Assembly:** x86\_64, SPARC, MIPS, Z80, 6502
- ♦ **OS:** Linux (RHEL, Debian, etc.), FreeBSD, Solaris, VMS, Windows
- ♦ **Protocols & Services:** DNS, LDAP, SSH, GEMINI, HTTP, HTTPS, SMTP, POP, IMAP, GEMINI, etc.
- ♦ **Tools:** LaTeX, Markdown, AsciiDoc, Pandoc, Typst, Mermaid, Graphviz, PlantUML, etc.

## Professional Experience

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

- ♦ Reimplemented PERM Decision Tree Builder in Python
- ♦ Mentored team on Documentation-as-Code and advanced Ansible practices
- ♦ Supported critical financial infrastructure

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

- ♦ Developed enterprise-wide Ansible playbooks and roles as recognized subject-matter expert, automating security-agent deployments
- ♦ Managed Tenable Nessus vulnerability program across millions of assets
- ♦ Contributed Markdown → FreeMind converter to open-source text-to-freemind project
- ♦ Earned firm-wide AutoM8 Champion Badge for automation leadership

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

- ♦ Administered 100+ Linux servers (Oracle, Tomcat, Apache, Zimbra Mail Server)
- ♦ Automated NIST/CIS security hardening with Puppet and Ansible
- ♦ Wrote Python tools to migrate 100,000+ email accounts to IMAP
- ♦ Provided Linux support for U.S. Census Bureau and Bureau of Labor Statistics national surveys

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

- ♦ Migrated corporate Windows web stack to Linux/Apache, cutting costs and boosting performance
- ♦ Implemented multi-zone BIND DNS and dynamic PHP/Oracle web sites

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

- ♦ Led analog-to-CDMA network upgrade while maintaining 25+ legacy cell sites

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

- ♦ Designed hypertext decision-support system for Air Force hazardous-chemical tracking
- ♦ Replaced Analytical Hierarchy Process (AHP) with decision-tree model, eliminating matrix math

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

- ♦ Served as corporate RSA/PKI subject-matter expert
- ♦ Developed GPS vehicle-tracking and differential-correction systems

**Embedded Software Engineer ♦ HQ AFMC ♦ Wright-Patterson AFB, OH ♦ Feb 1983 – Dec 1994**

- ♦ Chaired Joint Logistics Commanders Software Engineering Education Working Group
- ♦ Represented Air Force on IEEE POSIX standards committee
- ♦ Identified critical flight-handling deficiency in T-46 Trainer (confirmed by USAF test pilots)

## Projects and Publications

- ♦ “pyPERM-DecisionTree Decision Tree Builder,” Open-Source Project (Apr 2025)
- ♦ “Configuring Perdition Mail Proxy Using an Existing LDAP Server,” (May 2003)
- ♦ “Using Perm Decision Tree Builder,” O’Reilly Open-Source Software Convention (Jul 2001)

