

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:** L^AT_EX, 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)

