

Summary

Senior System Administrator and Cyber Security professional with over 30 years of experience in software/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

Bachelor of Science 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 Languages:** Python3, Bash, Ansible, Java, C/C++, PHP, Ada
- **Operating Systems:** Linux, FreeBSD, Solaris, Windows, BeOS/Haiku
- **Internet Protocols:** DNS, LDAP, SSH, HTTP/HTTPS, SMTP, IMAP, GEMINI
- **Assembly Languages:** Sparc, MIPS, 80x86, Z80, 6502

Experience

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

- Reimplemented 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.
- 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+ legacy 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 matrix math requirement.

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 (Feb 1983 – Dec 1994)

- Chaired Software Engineering Education Working Group for Joint Logistics Commanders.
- Managed Air Force Ozone Depleting Chemical (ODC) policy systems.
- IEEE POSIX standards committee representative.
- Identified T-46 Trainer Aircraft flight handling deficiencies, confirmed by Edwards AFB 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)
- “Using Perm Decision Tree Builder,” O'Reilly Open-Source Software Convention (Jul 2001)
- “Micro Publishing,” O'Reilly Open-Source Software Convention (Jul 2001)

