Brett J. Perez

SUMMARY

IT Systems Engineer and Air Force veteran with nearly a decade of Windows and Linux systems administration. Experienced with building and deploying lab images and engineering software for CU Boulder's College of Engineering, automating Active Directory and endpoint management in PowerShell, and supporting Azure-hosted lab desktops. Pursuing an MS in Network Engineering.

EXPERIENCE

IT Systems Engineer — University of Colorado Boulder **Jan 2024 – Present**
Integrated Teaching and Learning Program, College of Engineering and Applied Science · Boulder, CO

- Supervise one full-time technician and two student employees supporting 500+ Windows systems across 25+ computer labs and classrooms, plus makerspaces, equipment rooms and staff offices, used by 5,200+ students from 72 majors.
- Build yearly Windows 11 images on Nutanix AHV with MECM task sequences, and deploy 106 software titles across five images with MECM and PDQ Deploy; took the ECEE image through four releases, now on 79 lab machines.
- Write PowerShell tools for Active Directory and endpoint management, including ACL audits across OUs, a LAPS password tool for the help desk and automated offline-PC reports; built a usage analysis of 323,000 application launches to show which installed software students actually use.
- Built and maintain a Linux VNC host that gives students remote access to Cadence EDA tools; help maintain CEAS Cloud (Azure Virtual Desktop), which served 1,600+ students over 13,400 sessions in a year.

Linux System Administrator — Laboratory for Atmospheric and Space Physics (LASP) **2020 – 2023**
Student position · Boulder, CO

- Helped convert 300+ RHEL 7/8, Ubuntu and SUSE servers and workstations from legacy configuration to infrastructure as code using Ansible playbooks and Packer templates, cutting deployment times by 80%.
- Built Jenkins CI/CD pipelines to test infrastructure code before rollout, with all changes version-controlled in GitHub.
- Hardened systems for NASA cybersecurity audits by rolling out firewall configurations and patches through Ansible; the lab passed the audit.

Systems Administrator — United States Air Force **2018 – 2020**
Buckley Air Force Base · Aurora, CO

- Co-built and administered a virtualized environment of Windows and Linux servers and workstations, email and file servers, firewalls and network segments used for hands-on technical training.
- Installed and maintained SIEM, intrusion-detection and vulnerability-scanning software across the team's workstations.
- Wrote evaluation procedures and hands-on exercises used to certify technicians' proficiency.
- Promoted to Staff Sergeant and trained incoming technicians; contributions helped the unit earn the 2020 Air Force Space Command General Rawlings Team Award.

IT Help Desk Technician — United States Air Force **2016 – 2018**
Buckley Air Force Base · Aurora, CO

- Supported 2,000+ remote and onsite Windows users for the base's missile-warning mission; selected for the VIP support team for commanders and senior leaders.
- Upgraded 1,000+ workstations to Windows 10.

- Administered Active Directory accounts, permissions, Group Policy and file services, and automated bulk tasks with PowerShell.

EDUCATION

MS, Network Engineering — University of Colorado Boulder **Expected May 2029**
Coursework: data communications (Cisco routing and switching labs), network programming in Python (sockets, Scapy, Flask, AWS).

BS, Information Science — University of Colorado Boulder **Dec 2023**
Minor in Creative Technology and Design.

AAS, Information Systems Technology — Community College of the Air Force **2019**

CERTIFICATIONS

- Microsoft Certified: Azure Administrator Associate (AZ-104) — Jun 2026, valid through Jun 2027
- Microsoft Certified: Azure Fundamentals (AZ-900) — Mar 2024

TECHNICAL SKILLS

- **Windows & endpoint management:** Windows 11, Windows Server, Active Directory, Group Policy, MECM, PDQ Deploy, Windows LAPS, MFA and security keys, AppLocker, IIS
- **Virtualization & cloud:** Nutanix AHV, Azure Virtual Desktop, Microsoft Azure, VMware, VirtualBox
- **Linux & automation:** RHEL, Ubuntu, SUSE, Ansible, Packer, Jenkins, Docker, Bash
- **Scripting & development:** PowerShell, Python (Flask, Scapy, sockets), Git and GitHub
- **Networking:** VLANs, ACLs, Cisco IOS, Wireshark
- **Collaboration:** Jira, Confluence, BookStack, Agile