

# Angel Medina

angel.medina.us@gmail.com • linkedin.com/in/angel-medina-us/ • amedina.net

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## WORK EXPERIENCE

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### PACE University

Senior Network Engineer

New York, NY

July 2025 – Present

- Led enterprise infrastructure modernization across multiple campuses, replacing legacy Catalyst 2960X/S with standardized Catalyst 9300 stacks, validating golden images, and executing minimal-downtime migrations
- Served as senior escalation point for outages, conducting root-cause analysis and driving long-term stability improvements
- Designed and deployed advanced Cisco network solutions including Catalyst 9300/9400/9500, 9800 WLCs, and Firepower FTD/FMC for scalable, secure campus connectivity
- Assisted with Cisco ACI operations, including APIC upgrades, controller lifecycle tasks (decommissioning/recommissioning), fabric discovery using LLDP, and validation of multi-pod connectivity
- Collaborated with the security team to implement dynamic access policies and created approved firewall rules, ensuring secure, compliant access across campus networks
- Created Visio documentation for physical rack layouts, L2/L3 topology, WAN interconnects, and site-to-site connectivity to support audits and troubleshooting
- Performed advanced wireless optimization using 7Signal and AirMagnet, identifying RF gaps and improving coverage and throughput across high-density buildings

Network Engineer

April 2023 – June 2025

- Configured and maintained Cisco switches, firewalls, and wireless controllers, ensuring high availability, reliability, and scalability across campus networks
- Troubleshoot 802.1X authentication via ISE (profiling, policies, session analysis) for wireless authentications
- Used Catalyst Center, Prime, SolarWinds, 7Signal, AirMagnet for network monitoring and RF optimization
- Developed Python automation tools using Netmiko for bulk switch configuration, validation, inventory, and backups, integrating error-checking and multi-site support to reduce deployment time by over 70%
- Built Netmiko scripts for inventory reporting, switch AAA standardization, and config backups to reduce manual workload and prevent configuration drift

Technical Support Specialist

September 2022 – March 2023

- Served as a higher-tier technical resource, meeting with clients on-site to analyze hardware/software issues and deliver advanced troubleshooting solutions
- Built and maintained standardized Windows and macOS base images to ensure consistent, secure device deployments
- Managed Windows and macOS deployments using SCCM, JAMF, AD, and Group Policy while supporting classroom and lab environments to ensure secure and stable operations

Desktop Support Specialist

October 2021 – August 2022

- Supported faculty and staff with hardware, software, and basic network troubleshooting
- Installed and configured new workstations and peripherals while maintaining accurate asset records
- Maintained documentation to support consistent and efficient IT operations

## EDUCATION

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### PACE University

MS in Cybersecurity

BS in Information Technology

New York, NY

December 2023

May 2022

## CERTIFICATIONS

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Cisco Certified Network Associate (CCNA)  
Cisco Certified Network Professional (CCNP) - Pursuing  
CompTIA A+ | CompTIA Network+ | CompTIA Security+  
AWS Certified Cloud Practitioner  
ISC2 Certified in Cybersecurity

## TECHNICAL SKILLS

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**Network infrastructure:** LAN/WAN/WLAN, TCP/IP, DNS, DHCP, VLAN, VPN, VRF, HSRP, OSPF, 802.1x, RSTP

**Security Technologies:** Cisco ISE, Cisco Firepower, TACACS+, RADIUS, firewall rule enforcement

**Programming & Automation:** Python, Tkinter GUI, CLI scripting, config automation tools

**Monitoring & Tools:** Wireshark, Nmap, SolarWinds Orion, 7Signal, AirMagnet, Cisco Prime, Cisco Catalyst Center

**Network Platforms:** Cisco Catalyst 9300/9400/9500, 9800/8510 WLC, Cisco ACI, Firepower FTD/FMC, Wireless APs

**Documentation:** Microsoft Visio, Word, Excel