

# Angel Medina

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New York, NY  
Sep 2025 – Present

## WORK EXPERIENCE

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### PACE University

Senior Network Engineer

- Leading enterprise infrastructure modernization, replacing legacy Catalyst 2960X/S with standardized 9300 stacks, validating golden images, and executing minimal-downtime migrations
- Primary escalation point for outages, conducting root-cause analysis and driving long-term stability improvements
- Manage Firepower FTD/FMC in production: NAT/PAT rule creation, object and object-group management, firewall policy edits, and event log analysis for security troubleshooting
- Administer Cisco ISE for network access control: profiling-based authorization profile tuning, SGT tag creation and assignment, and log-based 802.1X troubleshooting across wired and wireless clients
- Led OSPF redistribution project for a new building, using prefix lists and route maps to set cost-based ISP preference with automatic failover to secondary ISP
- Manage Cisco TAC escalations for complex hardware and software issues, coordinating RMAs and working cases to resolution
- Produced Visio documentation for physical rack layouts, L2/L3 topology, WAN interconnects, and site-to-site connectivity to support audits and troubleshooting
- Supporting Cisco ACI Multi-Site operations alongside senior engineers, including fabric discovery observation and APIC dashboard reviews of tenants, EPGs, and contracts
- Performed advanced wireless optimization using 7Signal and AirMagnet, identifying RF gaps and improving coverage across high-density buildings

Network Engineer

April 2023 – Aug 2025

- Managed network infrastructure for 14,000+ students across 3 campuses: 9800 WLCs, 2,000+ APs, 800+ switches, Cisco ISE/802.1X, Firepower 9000, and Catalyst Center
- Led multi-campus AP refresh (2602/2702 → 9120/9130/9164/9166); managed AP onboarding, site assignment, RF profiles, and conducted site surveys using NetScout AirCheck G2; troubleshot client issues via radioactive traces and RRM data
- Administered Cisco ISE for 802.1X and MAB: managed profiling policies, adjusted authorization profiles, created and assigned SGT tags, and analyzed logs for auth failures
- Developed Python/Netmiko automation reducing deployment time by 70%+, including bulk compliance checks, AAA standardization, Jinja2-templated switch deployments, and Catalyst Center API scripts for device inventory, user data, and compliance reporting across all campuses
- Designed VLAN configurations and presented network performance, security, and availability reports to senior leadership

Technical Support Specialist

August 2021 – March 2023

- Ranked #1 in ticket resolution across Westchester and Haub Law campuses
- Collaborated with IT leadership to standardize device imaging workflows and implement security initiatives
- Provided technical support for administrative and academic users covering hardware, software, and peripherals; met with clients on-site to diagnose and resolve issues
- Managed Windows and macOS deployments using SCCM, JAMF, Active Directory, and Group Policy across classroom and lab environments

## CERTIFICATIONS

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Cisco Certified Specialist Enterprise Core (ENCOR 350-401)

expires Apr 2029

Cisco Certified Network Associate (CCNA)

expires Apr 2029

CompTIA A+ | CompTIA Network+ | CompTIA Security+

expires Oct 2026

AWS Certified Cloud Practitioner

expires Aug 2028

## EDUCATION

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M.S. Cybersecurity | *Pace University – Seidenberg School*

Dec 2023

B.S. Information Technology | *Pace University – Seidenberg School*

May 2022

A.S. Cybersecurity | *SUNY Westchester Community College*

May 2020

## TECHNICAL SKILLS

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**Routing & Switching:** OSPF, BGP, EIGRP, VLAN, VRF, STP/RSTP, HSRP, PBR, QoS, Catalyst 9000 series

**Wireless:** Cisco 9800/8510 WLC, FlexConnect/Local deployment; 9120/9130/9164/9166 model APs, RF profiles, RRM, radioactive traces, NetScout AirCheck G2, 7Signal, AirMagnet

**Security:** Cisco ISE (802.1X, MAB, TACACS+, profiling, SGT), Firepower FTD/FMC, CoPP, SISF, TrustSec, ACI/APIC, Duo MFA, AnyConnect VPN

**Automation:** Python, Netmiko, Jinja2, NETCONF/RESTCONF, Catalyst Center API, EEM

**Tools:** Cisco Catalyst Center, SolarWinds, Wireshark, Nmap, Active Directory, Microsoft Visio