Mark Angelo DC Espiritu

Network Systems & Automation

markneons16@gmail.com | Philippines | GitHub | LinkedIn | Upwork



PROFESSIONAL SUMMARY

IT student who builds tools that talk to real network gear. I turn Cisco, Python and APIs into dashboards that monitor, automate and explain what the network is doing.

EDUCATION

Nueva Ecija University of Science and Technology — Sumacab Off Campus · 2024 - 2028

Bachelor of Science in Information Technology. Focus: Network System Technology, Automation and Security.

PROJECTS

Network Automation Console

- Python web console that connects to Cisco IOS XE devices through the DevNet sandbox. Uses Netmiko, RESTCONF and NETCONF to monitor interfaces and run automated tasks from a browser.
- **Tech:** Python, Netmiko, RESTCONF, Cisco DevNet | **Result:** Live device data from a real Catalyst 9000

Philippine Rice Price Tracker

- Flask and SQLite web app that collects and displays rice prices across the Philippines, built from scratch through deployment.
- **Tech:** Python, Flask, SQLite | **Result:** In development: live price data from the Philippine Statistics Authority

TECHNICAL SKILLS

Networking	Cisco IOS XE, Packet Tracer, GNS3, Wireshark
Languages	Python, JavaScript, SQL
Frameworks & tooling	Flask, Ionic, Netmiko, Git, VS Code
Platforms	Windows, Linux, Cisco DevNet Sandbox
AI Tooling	Claude, ChatGPT, Gemini, Google Antigravity

CERTIFICATIONS

Networking Essentials · Cisco Networking Academy verify — 2026

Industrial Networking Essentials · Cisco Networking Academy verify — 2026

Industrial Cybersecurity Essentials · Cisco Networking Academy verify — 2026

Industrial Iot And Control Systems in Energy · Cisco Networking Academy verify — 2026

Industrial Iot And Control Systems in Manufacturing · Cisco Networking Academy verify — 2026

Cisco CCNA · Cisco — est. 2027 · Planned