Solomon Neas

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PROFESSIONAL SUMMARY

Network and systems engineer who builds production-grade infrastructure students can study, break, and rebuild. Lead administrator for Polk State's NSET department: architecting open-source SOC, NOC, and virtualization platforms with documented, reproducible designs that double as teaching artifacts. Projects have delivered ~$165K+ in annual cost avoidance while creating hands-on lab environments for cybersecurity and networking courses. Polk State alumnus (collegiate high school through BAS) with deep institutional knowledge. Pursuing M.S. in Cybersecurity Intelligence with a goal of teaching the next generation of IT professionals.

Supporting documentation and sources: solomonneas.dev/projects

EXPERIENCE SUMMARY

Web & Software Development: 6+ years   **IT Administration & Support:** 7+ years
Training & Instruction: 17+ years   **Higher Education:** 4+ years

EDUCATION

M.S. Cybersecurity Intelligence and Information Security, University of South Florida | Expected Fall 2026
B.A.S. Supervision and Management: Business Information Technology, Polk State College | May 2025
A.S. Network Systems Engineering Technology: Infrastructure, Polk State College | May 2022

TEACHING & INSTRUCTIONAL EXPERIENCE

Laboratory Assistant, Network Systems Engineering Technology | Polk State College | Dec 2023 – Present **(2+ years)**
- Architected Proxmox cluster migration from VMware ESXi: ~$68K annual cost avoidance (196 cores × $350/core). Led Hyper-V migration including AD DC leapfrogging and replacing legacy file servers with Samba-based Linux alternatives.
- Deployed open-source SOC (Wazuh, TheHive, Cortex, MISP, Zeek/Suricata): ~$140K–$217K 3-year cost avoidance vs. outsourced MSSP; functions as $50K–$150K-equivalent cyber range with documented playbooks students can replicate and extend.
- Built LAIM (Lab Asset Inventory Manager) and Watchtower NOC Dashboard—open-source network monitoring with real-time topology visualization replacing ~$29K/year SolarWinds licensing; both projects include full technical documentation as teaching artifacts.
- Mentor students on infrastructure they can study, break, and rebuild; collaborate with faculty to ensure labs align with course objectives; manage Cisco switches, Palo Alto firewalls, and ~200 devices across 4 classrooms.

Proof of proj

ADDITIONAL EXPERIENCE

User Support Specialist I | Polk State College | Aug 2021 – Dec 2023 **(2.5 years)**
- Served as de facto lead technician at campus location; led projects, held elevated administrative privileges, and trained fellow technicians on procedures, tools, and troubleshooting techniques. This built foundational instructional skills now applied to student mentorship.
- Provided Tier 1-2 support across six campuses (~600 users, ~4,000 endpoints); managed imaging, Active Directory administration, and Cisco switch port configurations.

On-Call Help Desk | Ralph Nobo Jr. MD | June 2005 – Dec 2007 **(2.5 years)**
- Provided on-call SOHO technical support for Windows 95/98/XP environments; first professional IT role.

Owner / Web Developer | solomonneas.dev | Dec 2025 – Present
- Full-stack ownership: registered domain, configured DNS, wrote all code from scratch, deployed via CI/CD pipeline (GitHub + Vercel). Portfolio and freelance practice for client web development projects. Site features technical guides with clear documentation and visuals explaining how systems work, demonstrating ability to break down complex topics for learners.

Founder / Web Developer | Neas Web Productions | Jan 2001 – May 2007 **(6 years)**
- Founded and operated web development business serving paying clients; managed full project lifecycle from client consultation and technical specs through development, deployment, and ongoing support. Skills in client communication, project scoping, and self-directed problem-solving remain directly applicable today.

Executive/Sous Chef: Culinary Leadership | Tampa, FL | 2005 – 2022 **(17 years)**
- Trained and developed staff from entry-level to experienced; created structured onboarding, hands-on assessments, and progressive learning paths, directly applicable to classroom instruction and student mentorship.
- Led teams of 5-15 through high-pressure environments requiring clear communication, real-time problem solving, and the ability to break down complex processes into teachable components for learners at all levels.

TECHNICAL SKILLS

Systems & Virtualization: Active Directory, Azure, O365, SCCM, Docker, Proxmox/VMware/Hyper-V, Netlabs+
Networking & Security: Cisco Enterprise Switches, Palo Alto Firewalls, Wazuh, TheHive, Cortex, MISP, Zeek, Suricata
Web & Software Development: Python, FastAPI, JavaScript, Astro, HTML/CSS, Git, Bash/Shell, REST APIs, CI/CD, Vercel
Instructional: Canvas LMS, Lab Environment Design, Technical Documentation, Curriculum Support, Student Mentoring