












Andrew Crouthamel

Make IT Right




Contact

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Skills

 Linux (19 yrs)
 Project Mgmt. (15 yrs)
 Networking (11 yrs)
 Management (10 yrs)
 IT Instructor (10 yrs)
 Linux Developer (2 yrs)
 Containers (2 yrs)
 Automation (1 yr)




Technologies

 AWS, Docker, Ansible
 SolarWinds, Zenoss
 Cisco, VMware, Palo Alto



Education

 B.S. in Info Tech (CSU)





Certifications

 CCNA, CCAI, VCP
 Master CSSA & CSSR
 A+, Net+, Sec+




Conferences

 Cisco Live (2016–2018)
 SharkFest (2012)

Awards

 BSA Eagle Scout
 Cisco Scholarship
 Champions of Caring
 Heroism for life saving

Hobbies

 Camping
 DIY & Woodworking
 Firefighting

Experience

SSC Space US (10/2015–Present)

Senior Network Engineer

- Manager of US Network Services employees, reporting to global manager.
- Project manager of global network integration, critical to company success.
- Project manager of Horsham data center overhaul.
- Project manager of vital NASA GSFC upgrade in Horsham data center.
- Lead integrator for NASA, NOAA, SpaceX, Boeing, NG, Intelsat, and more.
- Core member of high priority NASA proficiency task force.
- Major role in decommissioning Chantilly data center.
- Sole mentor and trainer of new US IT employees.
- Created 100+ page IT Handbook, detailing policies, procedures, and standards.
- Saved \$850,000 annually through circuit migrations and consolidations.
- Saved \$175,000 annually in communications account problems.

Carson Helicopters (5/2014–10/2015)

IT Manager

- Manager of several interns assigned to support IT projects.
- Project manager of warehouse and hangar re-wiring.
- Project manager of SIP phone system replacement project.
- Project manager of new ERP system rollout to streamline business systems.
- Increased network reliability through hardware upgrades and redundancy.
- Implemented new ticket tracking and asset management software.
- Improved workstation login reliability through GPO scripting.
- Improved data availability and integrity with Folder Redirection for domain users.
- Suggested alternate office software solution to save more than \$10,000 annually.

Temple University (9/2013–5/2014)

Senior Network Engineer

- Project manager of university-wide IT monitoring and alerting system.
- Scripted several custom ZenPacks to extend monitoring system capabilities.

Acts Retirement-Life Communities (8/2012–7/2013)

Senior Network Engineer

- Project manager of \$4M wireless design and deployment across 26 campuses.
- Project manager of new firewall deployments across 26 campuses.
- Project manager of off-site datacenter replication system for disaster recovery.
- Project manager of update server implementation for 1,000+ systems.

Shrike Tools LLC (10/2009–Present)

Owner

- Acting CIO for VerifyIMI, an interactive medical intelligence software startup.
- Cisco Academy Instructor for CCNA at Bucks County Community College.
- Produced 13 video training courses for Pluralsight, INE, and Packt Publishing on topics such as Wireshark, Nmap network scanning, CCNA Cyber Ops, CCNA Wireless, and Docker.
- Produced 107 IT training videos for free release on YouTube.

Experience

Health Business Systems (2/2009–8/2012)

Systems Administrator

- Manager of several interns, assigning projects, reviewing progress, and ensuring efficiency.
- Project manager of DevOps efficiency initiative, to streamline customer networking deployments.
- Project manager of Zenoss monitoring system implementation to shift department to proactive response model.
- Reduced operating costs by consolidating servers in VM environments and merging firewall appliance roles.
- Discovered and implemented creative licensing strategy to save \$27,000 per year in licensing costs.
- Sold \$25,000 worth of new products during support calls and discovered \$35,000 worth of unbilled accounting mistakes.

The Edcomm Group Banker's Academy (8/2006–2/2009)

Systems Administrator

- Security lead of IT, reduced firewall rules by 25% while increasing security.
- Telecommunications manager, reviewing all bills, resulting in savings of 20% and evaluated carriers to save 50%.
- Self-taught phone system programming and termination, saving \$10,000 in phone vendor support calls.
- Selected international SIM cards and PC cards for travelers, saving \$20,000 in roaming charges.

Independence Planning Group (3/2006–8/2006)

Systems Administrator

- Project manager of asset management system implementation.

Southern Lehigh School District (6/2004–3/2006)

Assistant Computer Technician

- Project manager of help desk software implementation to reduce issue resolution time.

The Open Store (12/2004–3/2005)

Linux Technician

- Key member in start-up company as the first brick and mortar Linux store in the United States.