

Anthony Critelli

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Education

Rochester Institute of Technology, Rochester NY May 2014

B.S. Networking & Systems Administration • summa cum laude • GPA: 4.0/4.0

Certifications: CCNP (exp. 12/2017) • CWNA (exp. 07/2019) • AWS Certified Solutions Architect Associate • RCSA-W • ITIL 2011 Foundation • ExtraHop Certified Analyst • FAA Public Trust Clearance

Professional Experience

Rochester Institute of Technology, Rochester NY April 2017 – Present

Systems Administrator – Department of Information Sciences & Technologies

- Responsible for maintaining and developing infrastructure for administrative, lab, and research purposes

Adjunct Faculty – Department of Computing Security August 2016 – Present

- Adjunct instructor teaching Computing Security 101 to freshman students in the Computing Security and Computing Exploration programs within the B. Thomas Golisano College of Computing and Information Sciences

SMP, Rochester NY November 2015 – March 2017

Network Engineer

- Perform post-sales deployment of IT solutions for the SMP data center practice, with a focus on network engineering
- Maintain responsibility for all deployment activities, including plan and design sessions, delivery of identified solutions, and customer knowledge transfer workshops
- Work with a diverse range of technologies, including: Cisco routing and switching, Cisco ASAs and ACS, Meraki wireless, Dell FTOS Switching, Riverbed Steelhead, and Ekahau Site Survey Pro
- Provided wireless survey, engineering, and deployment support for a very large greenfield wireless deployment within the healthcare sector. Project encompassed active 802.11 site survey, documentation of existing switching infrastructure, deployment of upgraded infrastructure, and post-implementation active survey across multiple campuses.
- Provided data center assessment using ExtraHop to gather wire data, analyze environment, and provide actionable recommendations for improvement of network health
- Consistently recognized by customers, sales teams, and managers for technical aptitude, ability to quickly develop skills, and understanding of business and technical requirements

Harris Corporation, Melbourne FL June 2015 – October 2015

IP Operations Engineer – Tier 2

- Perform second-level escalation support across 4 nationwide IP networks, including the FAA Telecommunications Infrastructure (FTI) and the Harris Trusted Enterprise Network (HTEN), in a 24/7/365 operational environment with on-call rotation
- Support the configuration and turn-up of new customer sites and services onto national MPLS backbone network using T1, Ethernet, and LTE with DMVPN handoffs

- Troubleshoot, configure, and upgrade Cisco ASR 903, ASR 1002, 3825, 3925, and CGR 2010 platforms
- Assist with customer bandwidth upgrades to DS3, fiber, and copper Ethernet handoffs
- Analyze network maintenance events to ensure that customer impact is minimized and properly documented
- Develop and present formal training about network architecture and troubleshooting to network operations staff
- Develop scripts using Powershell to automate network operations processes
- Interview and participate in the hiring process for network operations specialists

Harris Corporation, Melbourne FL

July 2014 – June 2015

Network Operations Specialist • FAA Telecommunications Infrastructure

- Performed 24/7 monitoring of the FAA IP network in a service provider environment encompassing over 4,000 sites and 20,000 services
- Received recognition for a project to investigate, resolve, and document false SNMP alarms
- Managed a project to improve monitoring capabilities of national optical backbone connections by implementing IPSLA across POP routers

Cisco Meraki, San Francisco CA

June 2013 - April 2014

Technical Support Intern

- Provided technical support to customers across the Cisco Meraki product line
- Authored over 10 publicly available technical knowledgebase articles

Wegmans Food Markets, Rochester NY

November 2012 - May 2013

Networking and Telecommunications Co-Op

- Provided 24/7 network operations support for over 90 locations, including 2 datacenters
- Created multiple scripts to improve network monitoring and repair capabilities, including a Perl IDS that identified and alerted on forbidden MAC addresses on the network

Professional Activities

- Designed, deployed, and operated the Asterisk VoIP infrastructure for the 2015 and 2016 RIT Information Security Talent Search. Presented this work at BSides Orlando 2015.
- Published undergraduate research that was accepted for poster presentation at the 2015 IEEE International Symposium on Technologies for Homeland Security: “On building cybersecurity expertise in critical infrastructure protection”
- Completed the Software Defined Networking course offered through Princeton University and Coursera in July 2015, including completion of all lab assignments

Skills

- | | | |
|--------------------|--------------------------|-------------------|
| • Cisco IOS | • Ekahau Site Survey Pro | • VoIP (Asterisk) |
| • Cisco ASA | • CentOS/RHEL | • Windows Server |
| • Dell FTOS | • SNMP | • VMWare |
| • T1, DS3, SONET | • Perl, Python, PHP | • DNS (BIND) |
| • OSPF, EIGRP, BGP | • Ansible | • Apache, Nginx |