

James R. Curbo

2906 Forest Lawn Drive Apt 1
Dayton, OH 45431

Cell: 937-475-0031
jcurbo@pobox.com

PROFESSIONAL SUMMARY

- IT professional with over seven years of experience in information security, network engineering, and system administration.
- Assertive leader with exceptional track record forging successful teams, managing budgets and executing large projects.
- Demonstrated experience designing and implementing communication networks with varied technologies.
- Excellent communication skills, ability to work within teams and build relationships with co-workers and customers.
- Comprehensive technical background cultivated over years of learning and constantly growing to master modern technology.
- Currently possess active TS/SCI clearance.
- Willing to relocate and willing to travel for work up to 30% of the time.

TECHNICAL SKILLS SUMMARY

- Operating Systems: Linux (Debian, Red Hat), Windows (XP, 2003, 2008, Vista, 7), Mac OS X
- Languages: C, C++, Perl, HTML, CSS, bash
- Networking: TCP/IP, IPv6, DNS, DHCP, SMTP, IMAP, VoIP, IPSec, wireless technology, Ethernet, firewalls, routers, switches, Cisco IOS, VPNs, VLANs, traffic shaping, network monitoring
- Security: cryptography, PKI, digital certificates, vulnerability and malware analysis, intrusion detection
- Software: Active Directory, Exchange, Sharepoint

EXPERIENCE

Chief Watch Officer, Theater Network Operations Center

Nov 09 – May 10

Headquarters US Central Command, MacDill AFB, FL

- Directly managed a team of 30 people responsible for maintenance, information assurance, telecommunications, data networks, and voice systems. Responsible for monitoring of US military communication networks in 20 countries, including Iraq, Afghanistan, the Persian Gulf area and the Horn of Africa.
- Wrote and finalized reports for CENTCOM and Defense Information Systems Agency (DISA) senior leadership, including notifications of cross-domain security violations, new software vulnerabilities, malware detection, status of mitigation efforts, status of circuit accreditation packages, major network configuration changes, and network health and utilization.
- Managed approval process for maintenance actions, analyzing effects of circuit outages to ensure maximum uptime of services.
- Delivered daily briefings to senior CENTCOM & DISA leadership covering priorities, outages and network defense posture.
- Produced daily reports for Joint Task Force-Global Network Operations (JTF-GNO) senior leadership providing updates on command priorities and ongoing high visibility communications issues.

IT Project Manager

Dec 07 – Oct 09

National Air and Space Intelligence Center, Wright-Patterson AFB, OH

- Led the acquisition, procurement and integration of new systems into \$300M IT infrastructure, including the third largest data center in the USAF and the largest Sensitive Compartmented Information Facility outside the National Capitol Region. Supported the processing, analysis, and production of air and space related intelligence for the Department of Defense by over 3000 people.
- Managed IT requirements for 24/7 support center, providing intelligence to other DoD and Intelligence Community agencies.
- Member of exercise planning working group, providing IT expertise for planning and execution of support of major DoD exercises. Traveled to planning conferences and coordinated with IT leads from other agencies.
- Integrated Global Command and Control System (GCCS) data from USAF air operation centers into local network to provide real-time information on location and status of friendly and enemy forces. Required reconfiguration of firewalls and software.
- Led project to integrate Lincoln Labs Extended Space Sensor Architecture servers into local network to provide access to real-time space tracking data, including making changes to server setups, network configurations, and writing information assurance accreditation packages for hardware, software and network access.
- Key team member for standup of Microsoft Sharepoint Server 2007 for organization-wide usage, including testing, troubleshooting configuration problems, standardizing structure, editing policy, and writing training guides.
- Wrote new knowledge management policy, simplifying information sharing and improving records management by standardizing layout of file storage across SANs on three separate networks and expanding inspection processes to mitigate future problems.
- Led team of engineers in project to select location for offsite backup of critical data and provide emergency working facilities for intel analysts. Defined IT requirements, acquired technology to support networked offsite backups, and created backup policy.
- Lead IT planner for stand up of new Air Force Intelligence, Surveillance and Reconnaissance Agency detachment; refined IT requirements, designed network expansion and planned acquisition and deployment of required equipment.
- Selected as Directorate of Communications Company Grade Officer of the Quarter, 2nd Qtr, 2008

Officer-in-Charge, Combat Communications Element C

Jan 07 – Nov 07

1st Combat Communications Squadron, Ramstein AB, Germany

- Led the maintenance and operation of two tactical communications suites, valued at \$38M and able to support up to 2000 users each with unclassified and classified network access, telephones, radios, and satellite communications. Supervised training and readiness of 38 personnel.
- Led 11 member team in support of fighter exercise in Israel, providing communications reachback to 250 deployed military personnel. Worked with mission planners to determine requirements, engineered solution, deployed with advance team to set up required communications, and provided on-going support during air operations.
- Deployed as lead communications engineer for the USAF's premier expeditionary bare-base opening exercise. Determined requirements through site surveys and analyzing mission objectives, created solution to support two sites and 500 users, and coordinated execution with 40-member communications team.
- Key member in team supporting United States Air Forces in Europe's tactical communications re-alignment plan, streamlining integration of new communications equipment from five separate bases and addition of 100 new personnel to squadron. Increased concurrent bare-base deployment capability from two suites to six.
- Led 11-member team providing equipment support for combined NATO and US European Command communications interoperability exercise involving 42 countries and 1200 personnel. Identified equipment and services to be tested with other countries' equipment, developed testing procedures, and engineered communications architecture connecting three sites.
- Engineered two innovative test labs for tactical communications equipment, designed to evaluate new equipment, test and complete integration of equipment into suite, and train personnel on setup and operation of tactical equipment.

Officer-in-Charge, Satellite Communications Systems

May 06 – Dec 06

1st Combat Communications Squadron, Ramstein AB, Germany

- Supervised 30 satellite technicians and managed twelve tactical satellite communication terminals valued at \$15M.
- Led 11 member team in support of fighter exercise in Romania, providing communications to 250 military personnel. Worked with mission planners to determine IT requirements, designed tactical network, deployed with advance team to set up network, and provided on-going support during air operations.
- Managed deployment of SATCOM assets for USAF exercise and inspection involving 700 personnel, receiving an "Excellent" rating. Designed SATCOM architecture, integrated into tactical network, and oversaw daily operations.
- Led installation of new satellite simulator, used to test SATCOM equipment and train technicians. Directed site survey and worked with bioenvironmental engineers and spectrum management personnel to mitigate electromagnetic radiation exposure and emanations.
- Key member in team designing communications infrastructure for 2006 NATO Summit in Riga, Latvia. Planned SATCOM architecture for five sites. Led engineering effort to tunnel TADIL-J/Link 16 tactical data through long-haul networks to enable sharing of air picture between NATO Combined Air Operation Centers throughout Europe, supporting combat air patrols over Latvia.

Officer-in-Charge, Signals Detachment

Dec 05 – Apr 06

Georgia Sustainment and Stability Operations Program, Tbilisi, Republic of Georgia

- Led eight member team providing communications support to 75-member Joint Task Force responsible for training Republic of Georgia army battalions deploying in support of Operation Iraqi Freedom.
- Initiated and managed equipment refresh with minimal downtime and no effect on ongoing operations. Rebuilt Active Directory, Exchange, file and print servers, replaced and upgraded routers, switches, cryptographic equipment, telephone switch, and multiplexing equipment.
- Engineered traffic shaping solution for tactical network, increasing efficiency of scarce SATCOM bandwidth. Used Linux server to bridge Ethernet traffic between edge router and core switch. Set up traffic shaping, level 7 packet filtering, and ipchains firewall on bridge to control traffic flow.

EDUCATION AND TRAINING

- Bachelor of Science in Computer Science, Henderson State University, Arkadelphia, AR, 2003
- USAF Expeditionary Communications Officer Training, Keesler AFB, MS, Jan-Feb 2005
- USAF Enterprise Network Operations Course, Keesler AFB, MS, Aug 2007
- USAF Warfighting Integration Education Course, Keesler AFB, MS, Mar 2007