

Troye C. Welch

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OBJECTIVE

To use technical and leadership skills gained in industry and the military to work in the healthcare/IT field
To leverage my abilities in installing, configuring, operating, maintaining, and troubleshooting communication networks/systems

EDUCATION & TRAINING

Rose-Hulman Institute of Technology, Terre Haute, Indiana - B.S. Electrical Engineering
Signal Officers Basic Course, Fort Gordon, GA, 1997 - Top 10%; Commandant's List
Cadet Troop Leadership Training, Fort Campbell, KY, 1996
Army Airborne School, Fort Benning, GA, 1995

CIVILIAN EXPERIENCE

System Administrator/Consultant Present Truth Magazine (presenttruthmag.com)/CalPOP, Fallbrook CA, Aug 2005-present

- Maintained security on a highly-targeted, high-traffic, dedicated server (manually/yum/up2date/cron tabs)
- Encoded approximately 100 full length videos for on-demand streaming (H.264/MPEG4/RealMedia/QuickTime)
- Compiled, installed, configured Darwin Streaming Server 5.5 for a "simulated-live" broadcast (virtual radio station)
- Upgraded server from MS IIS to Red Hat 7 through 9 to CentOS 3.0 to 4.2
- Compiled, installed, configured Apache Web server (httpd). Upgraded from v1.x to v2.0.49.
- Downloaded, compiled, installed, and configured Cyrus/Postfix MTA POP/IMAP mail server solution
- Presently working on a PHP/MySQL implementation and a Webalizer installation

General Manager Fallbrook Directory, Fallbrook CA, 2003-2004

- Selected printing company for 40,000-copy print run; performed QC/press checks/dot gain compensation and all pre-press work.
- Handled customer complaints, resolved billing issues, managed accounts, generated SQL queries for account summaries.
- Managed 7-line phone system with Panasonic PBX and local/long distance account reaching \$800 monthly.
- Performed the research and implemented changes necessary to move the Directory to full color after 49 years of B&W.
- Assisted owner with day-to-day activities, including procuring supplies, implementing delivery plan, and proofreading final copy.

Network/System Administrator Fallbrook Directory, Fallbrook CA, 2001-2003

- Moved LAN to gigabit ethernet, optimized/performance-tuned all systems/servers, implemented RAID 0,1 and 5.
- Formulated and implemented backup/disaster recovery plan. Sysadmin for FreeBSD 4.9, MacOSX Server.
- Managed user accounts and built/maintained user machines. Purchased, installed, and configured server and client software.
- Performed troubleshooting on business-class SDSL account, internal LAN, and Panasonic PBX system.
- Performed all Photoshop image manipulation/color correction/etc.; helped graphic artists with page-layout (Adobe InDesign).

MILITARY EXPERIENCE Captain, Signal Corps, US Army (Current Security Clearance)

Communications Projects Officer, Coalition Forces Land Component Command, C6 Section, Camp Arifjan, Kuwait, Jan-Aug 2005
Responsible for operational and strategic level signal planning to CFLCC, Third U.S. Army in both peacetime and contingency operations throughout the Southwest Asia theater of operations. Integrate all Command, Control, Communications, and Computers (C4) systems into a cohesive communications system capable of supporting multi-component, multi-service, and multi-national forces in combat and peacekeeping roles.

- Tackled projects for Operations Enduring Freedom and Iraqi Freedom with allocated funds of \$14 million.
- Planned, facilitated funding for, coordinated equipment acquisition/transportation for, and saw the completion of a new Defense Red Switch Network (DRSN) facility in a Top Secret C2 compound within the CFLCC headquarters at Camp Arifjan, Kuwait.
- Managed and coordinated the design and installation of a VHF/UHF radio repeater at the Udairi Range for aviation communication reachback to Camp Arifjan up the flight corridor to the Iraqi border.
- Coordinated efforts for an \$8 million communications infrastructure upgrade to Camp Buehring including a new Tech Control Facility (TCF) and long-haul fiber optic bandwidth upgrades to support a surge capacity of over 25,000 soldiers.
- Initiated progress toward the installation of communication upgrades for Kuwait Naval Base (KNB) for docked vessels in the harbor as well as the soldiers and civilians on Camp Patriot and elsewhere on KNB.
- Received Army Commendation Medal (ARCOM), Commanding General's Coin, and Naval Coin

Communications and Electronics Staff Officer, 82nd Airborne Division, Fort Bragg, NC, 1999-2001

Design, develop, and implement plans to ensure continuous, secure communications between aerial, vehicular, and ground troops within a 750 man infantry battalion and between a larger joint task force. Responsibilities include:

- Engineer voice and data communication circuits (RT-1523E, PSC-5, MST-20, VDC-400).
- Calibrate, test and maintain all electronic equipment and test equipment within the unit.
- Conduct terrain analysis for RF propagation and implement electronic counter-counter-measures.
- Design, construct, and utilize man-portable, high gain, yagi/log-periodic, FM antennas.
- Received Army Commendation Medal (ARCOM).

Communications Company Executive Officer, 50th Signal Battalion, Fort Bragg, NC, 1999

Manage all logistical and maintenance aspects of \$30 million, 110 person signal company. Directly responsible for the health, welfare, and morale of 25 soldiers in headquarters platoon and their families. Accomplishments include:

- Performed the duties of next superior officer; acted as company commander in his absence.
- Facilitated company-wide fielding, implementation, and training on SINCGARS VHF FM radio system (RT-1523E from RT-1523A and B models and subsequent firmware upgrades).
- Received Army Achievement Medal (AAM).

Platoon Leader, B-Company, 50th Signal Battalion, Fort Bragg, NC, 1997-1998

Plan and Supervise installation of cable and radio communications systems. Responsible for 33 soldiers and their families and approximately \$12 million worth of Mobile Subscriber Equipment (MSE) including 15 Humvee Trucks, (6) 10-KW diesel generators, 3 switch processing shelters, and 12 RT-1539s. Accomplishments include:

- Trained 15 telecommunication specialists in all facets of day-to-day operations.
- Increased utilization and efficiency of packet-switched traffic over the tactical LAN.

AFFILIATIONS

AUSA Association of the US Army

IEEE Institute of Electrical and Electronics Engineers

ISES International Solar Energy Society