

RON L. TAYLOR

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CAREER SUMMARY

Voice and Data Communications Engineer with 10+ years of experience seeking continued project intensive roles integrating emergent technologies into comprehensive communications solutions. In-depth knowledge of communications network operations. Proven ability to build proficiency in new technologies and collaborate with multidisciplinary project teams to ensure successful project integration. Strong skills in coordinating all facets of multiple complex projects, ensuring on-time, on-budget, on-target results. An articulate, flexible and personable communicator with excellent skills in client and vendor relations. Has served as a project consultant and task force contributor on critical corporate and military initiatives.

Areas of Expertise

- Project Planning & Management
 - Account Management & Client Relations
 - Telecommunications
 - Voice & Data Communications
 - Disaster Recovery & Business Continuity
 - Troubleshooting
 - Hardware & Software Installations
 - Audio/Video/Electronic Maintenance
 - Technology Needs Assessment & Solutions
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KEY ATTRIBUTES

- Demonstrated ability to effectively communicate technical information to all levels of staff. Strong interpersonal and communication skills, able to articulate in verbal and written form to both technical and non-technical staff.
- Ability to effectively function in a complex and rapidly changing environment.
- Proven ability to meet deadlines, prioritize tasks and work effectively with minimal supervision in a team environment.
- Ability to positively and productively interact with customers, client groups, peers, and management.
- Self-motivated to tackle observed problems, present recommendations, and complete changes as necessary.

TECHNICAL SKILLS

Network Architecture: LAN/WAN, MAN, Windows 2000/NT/XP X.25 ■ **Protocols:** ISDN, TCP/IP, SNMP ■ **RF Transmissions:** Satellites, Microwave, Terrestrial, FDMA, TDMA, CDMA, Baseband Equipment ■ **Digital Transmitters:** Modems, Routers, Channel Banks ■ **Cabling Architectures:** Fiber-single, Multimode, Copper-Twisted, Coax, CAT 3, 5, 7, Ethernet ■ **Broadband Technologies:** DSL, ATM, Bandwidth on Demand ■ **Telephony Switches:** PBX, Nortel, Lucent, Siemens, Aspects, DMS ■ **Cable TV Architectures:** Installation and Signaling, CATV Headend Systems, Amplifiers, CATV Backbone Infrastructure, Fiber, Hardline Cabling, RGII, Electronic Maintenance ■ **Applications:** MS Office Suite 2000/2003/2007 (Word, Access, Excel, PowerPoint, Outlook).

PROFESSIONAL HIGHLIGHTS

Project Management

- Planned, integrated and implemented the Naval Telecommunications requirements into the Defense Satellite Communications System and Commercial Satellite Augmentation program.
- Coordinated processes and resources for new telecommunications networks to enhance the Naval Telecommunications capabilities. Worked closely with the Fleet and Shore Communications Commands and Facilities to meet operational requirements. Participated in working group meetings to strategize staffing, operational, budgetary, and facility resources.
- Resolved operational issues involving new systems, networks, and legacy systems being upgraded to enhance capacity or performance. Provided staff updates, briefings, and white papers to senior management. Assisted Operations with network issues, personnel, security vulnerabilities, and operational posture.
- Reviewed the project for cost savings, usage benefits and manpower savings. Conducted project reviews to ensure cross-functionality within the command. Wrote decision papers outlining issues that would impact the command. Provided issues to senior management for decision and direction.
- Performed network analysis and assessments to ensure the network is meeting the operational readiness requirements. Coordinated with the network operators, monitored software reporting, and consulted with the end users on the performance took their feedback and corresponded with engineers, customers, to resolve the issues or take corrective actions to ensure network is meeting or exceeding its goals.

Technical

- Installed, operated, programmed, and maintained hardware and software for various telecommunications systems, including audio, radio, microwave and video systems. Researched and evaluated emergent technologies. Assessed telecommunication needs and recommended system designs to meet customer objectives.
- Met with managers, customers and service users to assess current systems. Determined telecommunication needs. Explained costs and benefits of available options. Prepared preliminary design proposals and coordinated installations with customers.

- Provided telecommunications/computer telephony integration (CTI) support to all internal departments, managing the internal switch and CTI resources including, CDNs, VDNs, CTI links, and IVRs.
- Provided telephony, data and video services and installations within existing commercial infrastructures (including, Dulles Airport, Bloomingdale, Home Depot, CVS chains, etc.)
- Upgraded the airport CATV system from a copper infrastructure to fiber backbone system. Established baseline measurements from the head-end to the terminal facilities and associated nodes. Balanced the head-end system, amplifiers, and nodes to ensure high quality levels.
- Integrated circuits and other electronic components for maximal use in microwave devices including, cellular telephones and radios, portable communications systems, PDAs, wireless internet devices, satellites, global positioning systems, aircraft navigation equipment, guidance systems for missiles, and magnetic resonance imaging machines.
- Modeled and laid out circuit and component designs. Tested system and evaluated performance against federal regulatory guidelines under the Federal Communications Commission.
- Evaluated microwave towers and transmission equipment and determined improvement and upgrade needs. Ensured that hardware and products operated effectively in existing microwave towers. Analyzed tower clearances and lines of sight to ensure a clear path for microwave signals. Determined if existing antenna and support equipment are compatible and function efficiently with hardware.
- Maintained all voice and data communications including verification of proper functioning of devices. Supervised all voice and data network design, control and programming of both PBX and Switch systems. Installed, maintained, and troubleshoots wiring and telephone equipment. Installed, configured, upgraded LAN wiring and connectivity issues. Utilized telecommunication tools to troubleshoot ISDN voice, network patch panel 66/110 block related problems.
- Anticipated voice and data hardware and software needs for planning and budgeting by monitoring the customer's voice communications usage. Administered the acquisition and placement of telephones, pagers, cellular phones and two-way radios.
- Collaborated with IT Managers and Network Engineers concerning voice and data security access.
- Logged service calls and corrective actions initiated on customer phone systems and provided reports to management.
- Pulled voice and data cables. Planned configuration of cable topology for multi-site functionality. Provided hands-on assistance and troubleshoots all phone equipment failures and service issues for all users. Provided training and technical expertise on usage of phone equipment and the voice mail system. Programmed voice mailboxes for individual users and department trees and troubleshoots voice mail issues and system failures.

PROFESSIONAL HISTORY

Sears Holdings Corp. (Richmond, VA)	<u>Home Appliance Technician</u>	May 2008 – Present
Self-Employed (King George, VA)	<u>Independent Telecommunications Technician</u>	Jun 2007 – May 2008
Life Safety System (Manassas, VA)	<u>CATV Technician</u>	Mar 2006 – Jun 2007
Design Tech Electronics (Waldorf, MD)	<u>Electronics Technician</u>	Apr 2005 – Mar 2006
WCC Cable Inc. (Fredericksburg, VA)	<u>Quality Control Technician & Installer</u>	Jun 2004 – Mar 2005
Caliper, Inc. (Virginia Beach, VA)	<u>Contract Electronics Technician</u>	Jun 2003 – Mar 2004
TEK Systems (Columbia, MD)	<u>Contract Microwave Technician</u>	Apr 2002 – May 2003
American Systems Corporation (Chantilly, VA)	<u>Contract CATV Technician</u>	Aug 2001 – Feb 2002
Genesys Telecommunications Lab, Inc. (San Francisco, CA)	<u>Telecommunications Application Engineer</u>	May 2000 – Jul 2001
Naval Computer & Telecommunication Command (WDC)	<u>Telecommunications Manager</u>	Oct 1990 – Jan 2000
Naval Ordinance Station (Indian Head, MD)	<u>Electronics Technician</u>	Oct 1988 – Oct 1990

MILITARY EXPERIENCE / EDUCATION / TRAINING

United States Air Force
Secret Clearance (Inactive) Communications Technician 1979 – 1988

National Defense University, Completed 160 hours towards Bachelor's Degree in Advanced Management Concepts, 1988-1999
 Capitol College, Completed 45 hours in Telecommunications Management, 1992-1995
 Charles County Community College, Completed 30 hours in Engineering Studies, 1989-1991

- Electronics and Communications Training
- Advanced Public Speaking
- MS Project Management Training
- Chief Information Officer Training