

ROBERT JOHNSTONE

NETWORK ENGINEER ~ PROJECT MANAGER

Hands-on, solutions-driven professional with 18+ year career record spanning a full range network engineering, administration, and support under mixed computing environments.

- **Well-equipped with MCP, Cisco, and Network+ Certifications;** solid background in LAN/WAN technology, wireless and Motorola networking, IP/RF radio systems, subnetting, and SNMP protocols.
- **Past performance in building, configuring, and troubleshooting** cost effective, high performance data and voice communications networks and systems supporting thousands of users across multiple locations.
- **Organized, take-charge professional with exceptional follow-through abilities** and detail orientation, able to plan and oversee projects from conception to successful conclusions.
- **Natural communicator and team leader with strong motivational skills;** interfaces effectively with upper management, staff, peers and clients.

Network Configuration & Maintenance | Cisco Routers | Mikrotik Routers | LAN/WAN | Cisco IOS
Mikrotik IOS | Windows 2003 Server | Windows 7 | Wire Shark | OSPF, RIP, SNMP Protocols
VPN/Fixed Wireless Network | VoIP | Wireless 802.11 | Technology Deployment/ Upgrade

PROFESSIONAL EXPERIENCE

MOTOROLA SOLUTIONS INC FSO NEW JERSEY STATE POLICE

Field service NJSP statewide radio network 2017-Present

GOOSETOWN COMMUNICATIONS

2013-2017

SYSTEMS ENGINEER

Systems Engineer, Motorola and ASTRO radio systems,. point to point IP links. Zetron IP based 911 call taking systems.

STROUD MEDIA, LLC

SYSTEMS ENGINEER

Wireless point to point engineering & design , network design of company's fixed LTE network & fiber network.

2011-Present

NORTHROP GRUMMAN – Brooklyn NY

Defense and Aerospace/public safety

2011- 2012

SYSTEMS ENGINEER 4

Systems Engineer ,NYC ECTP2 911 center, providing engineering support for FDNY IP Based Radio Console system

NETWORK ENGINEER

Network Engineer for The Borough of Lincoln Park NJ, Voice I.T & Fiber Networks

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ELECTRONIC SERVICE SOLUTIONS – South Hackensack, New Jersey

2005-2011

Full service wireless communications provider specializing in State, Local, & Federal Government, Public Safety/Security, Utility, Education, and Transportation markets.

NETWORK ENGINEER / PROJECT MANAGER

Control all aspects of design, architecture, implementation, and project management of IT and wireless/wireless mesh networks in support of 4 offices and 10 remote sites. Monitor and maintain network structure, connectivity, and security; skillfully coordinating hardware and software installation, upgrades, and troubleshooting for internal networks, public safety radio consoles and repeaters, Motorola and ASTRO radio systems, and wireless 802.11 systems. Design and maintain canopy point to point IP links. Perform antenna line sweeps, duplexer tuning, and Eventide voice recorder installation. Install and maintain ASTRO simulcast systems and AVTEC VoIP console.

Selected Achievements & Projects:

- Configured and managed network protocols and services; recommending strategies for system optimization while ensuring 24/7 coverage.
- Took lead role in numerous projects, aggressively meeting project milestones while managing time constraints.
- Key contributor to new business development by providing highly effective presale technical support for NJ and Elmsford Service Centers.
- Credited with establishing VPN network and internal intra net access for 4 corporate locations.
- Led successful design and installation of 5 node, 2.4 mesh network for 2 NY police departments, enabling critical in-car IP data access.
- Planned and coordinated \$800,000 project to architect and install Borough Lincoln Park NJ intranet private IP Network encompassing 11+ locations, VOIP, IP CCTV Video, Police & Fire radio traffic, and real time access control data for all Borough buildings.
- Headed large-scale build-out of 8-site wireless ISP with 40 miles of point to point backbone links providing 50 mps of bandwidth between Stroudsburg, PA and Newton, NJ.

- Designed and built 5-site VPN/fixed wireless network for new trunked VOIP radio system.
- Hand-picked to initiate and manage ongoing project for Lincoln Park Water Department, focused on design and installation of IP-based SNMP monitoring system for 10 pump stations within the borough. Utilizes i/o equipment to replace outdated wire line-based system and provide real time alarms to a central SNMP server for subsequent display on workstations at police dispatch and water office locations.
- Newark Police/Fire dispatch center Motorola Centracom administration/Police & Fire radio communications

COMMUNICATION SERVICE INTEGRATORS – Chester, New Jersey 2003-2005

Provider of mobile communications and dispatch equipment, paging systems, video and security surveillance equipment.

NETWORK ENGINEER

Provided high level administration and support for internal IT operations and network with Windows 2003 server. Concurrently managed service department operations and 2 direct reports, skillfully scheduling and managing client projects and customer service calls for government, public safety and corporate entities. Analyzed client needs, selected new systems/products, executed project management/planning initiatives, and delivered expert support and administrative services. Installed and maintained industry leading technologies and systems including public safety radio consoles and repeaters, Motorola Radio systems, Zetron 911 dispatch center consoles, 911 systems, and Wireless 802.11 systems. Conducted high level troubleshooting and resolution of mission critical IT, systems, and networking issues.

Selected Achievements:

- Built productive relationships with colleagues, clients, and managers, earning reputation as ‘go-to’ resource for high-risk projects and technical issues.
- Vitalized operations and improved productivity by automating and upgrading systems and delivering strategic and user-friendly technical advice, support, and training.

- Achieved highest levels of client satisfaction based upon timely implementation with minimal business disruption and highly responsive support.

WIRELESS COMMUNICATIONS INC. – Bangor, Pennsylvania

1994-2003

SYSTEMS TECHNICIAN

Charged with installing, maintaining, and repairing all 2-way trunking systems while managing company's LAN network, mail servers, paging systems, and Windows 2000 billing platform. Investigated and resolved critical data and voice communication issues, initiating process and system improvements to increase system stability and staff productivity.

Selected Achievements:

- Acknowledged for on-time installation and delivery of point-to-point 802.11B LAN systems and access points.
- Earned reputation as top performer, consistently delivering full-functionality on time and within budget.

*Earlier career history includes role as **Systems Technician** for Paging Partners LP and Telair Communications Inc*

EDUCATION & CERTIFICATIONS

Associate of Arts, Information Technology Networking (Currently Pursuing), University of Phoenix

Comp TIA Network+ Certified # COMP00 • Microsoft Certified Professional #26389781020148716

Cisco CCNA # CSC011868616 • Mikrotik Router Certified # WTUS0228

Motorola Wireless Field Engineer Certified # FMWFE215 • ETA Network Computer Certified # NCTPA187

ETA Certified Master Certified Electronics Technician # US106798 • ETA Motorola R56 Certified #R56106460

F.C.C General Radiotelephone Operators License# PG00028995 • Mikrotik Router certified # WTUS0228

ETA VOIP Certified #B-VOIP106104 • ETA Security Network Tech Certified #ESNT106426

ETA Satellite Installer Certified # CSIPA004 • ETA Senior Certified USMSS #SETMSS102439

Motorola Wireless Field Engineer Certified # FMWFE215 • Anritsu Site Master Certified # F009014E

Hirsch Electronics certified velocity 3.0 & installation • RAD IP Mux Training & Certification

Telecom Copper Cabling certification C-Tech#39-01-0212-00004 • F.C.C Licensed Radio amateur General Class

Zetron 4000 Console/ 3200 911 Phone Switch Certification • Motorola 7X Eventide Training & Certification

AVTEC Console Training & Certification • Motorola MC-7500 Training & Certification