

Jonathan E. Zane
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Education:

Birth – Present Reading, discovering and learning every day.
2000 Global Knowledge – Advanced Internetworking with TCP/IP Course
2000 Global Knowledge – Advanced Troubleshooting TCP/IP Networks Course
1994 Burlington County Institute of Technology – Diploma. Course of study: Electronics

Experience:

Nov 2014 – Present Self Employed
➤ Contract work with multiple technology firms

Feb 2014 – Nov 2014 Piercon Solutions LLC, Systems Technician, Contract employment with Motorola Solutions Inc.
➤ Performed system updates and expansions on NJ State Police P25/Astro 7.13/7.14 system
➤ Worked on various other systems upgrades and expansion of Motorola systems from 7.7 up to 7.14
➤ Experience with all aspects of a typical Astro system. Servers, firewalls, routing, networking, base stations, radios, consoles, subscribers, etc.
➤ Received training on all aspects of modern IP based radio system including specific to Motorola systems, Apex radios, and Astro 25 IP radio networks.

Sept 2007 – Feb 2014 Worked in many capacities supporting Kangaroo TV/FanVision while also contracting with other agencies
Feb 2012 – Feb 2014 Acorn RF, Broadcast Technician
➤ Responsible for field setup, testing, monitoring and maintenance of the broadcast network used for transmission to FanVision devices at live remote events. Primarily responsible for operations at NASCAR events.
➤ Support production staff for technical aspects of the “head end” system
➤ Recommended test procedures and best practices for field operations.
➤ Field tuning and performance of DVB transmitters and mask filters.
➤ Testing and documentation of system performance and coverage

Mar 2010 – Dec 2012 50% Owner of NoReplacement LLC. Subcontracting with multiple technology firms.
➤ Spectrum Expert, Quebec, Canada
 ○ RF Systems Test and Measurement Services
➤ Acorn RF, South Casco, Maine, USA
 ○ RF Expertise, technical staffing and consulting
➤ Total RF, Bensalem, PA, USA
 ○ Technical staffing
➤ ITT Systems, Patrick AFB, FL, USA
 ○ RF Systems Consulting
➤ FanVision (formerly Kangaroo TV), Quebec, Canada
 ○ Design, installation and maintenance of systems
 ○ Provide support and staffing during live events
 ○ Interface with event staff and television crews
 ○ Installation and testing of ongoing upgrades
 ○ System documentation and development of training materials
➤ Liberty Technology Solutions
 ○ Computers, Servers and Networking
 ○ Telecom and Data wiring

Oct 2008 – Mar 2010 Self Employed
➤ Contract work with multiple technology firms

Jan 2008 – Oct 2008 Kangaroo Media Inc., Mobile Broadcast Technician
Quebec, Canada
➤ Responsible for field setup, testing, monitoring and maintenance of the broadcast network used for transmission to Kangaroo TV devices at events. Primarily responsible for operations at Formula One events.
➤ Recommended test procedures and best practices for field operations.
➤ Field tuning of DVB transmitters and mask filters.
➤ Testing and documentation of system performance and coverage.

Sep 2007 – Jan 2008 Acorn RF, Broadcast Technician
Miami, FL
➤ Setup, testing, monitoring and maintenance of the broadcast network used for transmission to Kangaroo TV devices at the Miami Dolphin's stadium.
➤ Testing and documentation of system performance and coverage.

Prior to Kangaroo TV/FanVision

Apr 07 – Jan 08

Screen Service America LLC, Technical Services
Miami, FL

- Testing, diagnosing, repairing, tuning and proofing of Screen Service's complete line of broadcast equipment. Multiplexers, SFN adapters, Transmitters, etc.
- Responsible for Screen Service's North American technical services.
- IT Management for operations in the Americas.

Aug 02 – Apr 07

Itelco USA/DMT USA Incorporated, Technical Services
West Deptford, NJ

- Testing, diagnosing, repairing, tuning and proofing of Itelco/DMT's complete line of analog and digital television and radio equipment.
- Responsible for North American technical services.
- IT Management for North American operations.

April 99 – Aug 02

Jewish Employment and Vocational Services, Network Specialist
Philadelphia, PA

- Team member responsible for installation, maintenance, upgrades, and expansion for 40+ Servers in a mixed Novell Netware, Linux and Microsoft server environment.
- Provided support for an 800+ user WAN on Windows NT/95/98/2000 Platform.
- Responsible for WAN/LAN connectivity, Routers, Switches, Gateways, Mail Servers, Firewalls. TCP/IP, IPX/SPX, DHCP, NDS, Active Directory, LDAP, DNS, VPN, Network Hardware, Monitoring and other services.
- Worked with training staff to plan and implement computer training for the agency.

Additional Relevant Skills:

- Electronic repair down to component level.
- Skilled at soldering and working under a microscope.
- Worked and trained in factory production facilities of past employers.
- Experienced with analog and digital audio/video signals, transport streams, processing and paths.
- Experienced with remote, temporary and permanent broadcast facility setup and operation
- Comprehensive understanding of Spectrum Analyzers, Network Analyzers, Power Meters, Filters, Directional Couplers, and other RF test equipment.
- Well versed in test methods for active and passive RF device test and measurement procedures
- Experienced with FCC rules and regulations
- Comfortable with dB calculations for gains and losses and protection of test equipment.
- Strong computer/networking background.