

RYAN JONES

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SENIOR ENGINEER - ENGINEERING MANAGER

Technology Leadership, Infrastructure Design, & Multi-Platform Solutions in Time-Critical Environments
Network Optimization – Project Design & Leadership – Mentoring

Responsive systems and IT engineering leader credited with delivering high-speed, reliable networking and computer solutions in new media, financial services, broadcasting, social chat, and manufacturing. Team leader with reputation for positive user relations and can-do approach; former Systems Engineer with deep network and security skills.

Highly Available Systems - Team Building & Direction - Up to \$10M Projects - Stakeholder Collaboration
Vendor Relations - SLAs - Network Planning - OPEX & CAPEX Monitoring - Disaster Recovery - Troubleshooting
Configuration - Network Security - Storage Solutions - Project Costing & Prioritization - Business Case Development

EXAMPLES OF TECHNOLOGY LEADERSHIP VALUE

Managing & Monitoring Systems Performance - Deploying Cutting-Edge Solutions

Project Management, Technical Design, & Support Impact

ABC 'Ovation' Awards: Recognized for technical acumen with Excellence, Outstanding Teamwork, Successful Project Launch, & Commitment distinctions.

Key Engineering Projects: Led vendors, employees, and contractors in all phases of hardware solutions and connectivity.

Improved Efficiency: Cut nearly 50% server and desktop setup time via ghosting.

Systems Engineering: Met financial services support needs and conducted nationwide Merrill Lynch desktop training.

Vendor Cost Savings: Negotiated pricing, obtaining optimum solutions at best cost.

▶ **President's Award for HD Project:** Played key role in ABC Network's \$10M+ expansion to support new transmission, transcoding, SAN storage, and backup requirements – facilitating Bravo-HD, BET-HD, AMC-HD, and ABC-HD+ launch within 9 months.

▶ **New Fiber Infrastructure Backbone:** Designed high-speed backbone and IT Fiber Broadband Network (hardware, routers, cabling) for expanded bandwidth supporting streaming content from affiliates.

▶ **Team Direction:** Managed 4-8 engineers, contractors, and vendors; built digital / disaster recovery processes, with training for 30 operators.

▶ **Critical Networking Projects:** Directed ~8 systems, broadcast, and project professionals in transcoding farm buildout and testing for Summer Olympics – winning *Broadcast Engineering Magazine* award.

"Ryan is one of the new breed of engineers who understand the urgency (in business), while being completely comfortable with IP and technology. The industry needs more like him." – VP Distribution Technology, ABC

PROFESSIONAL HISTORY

WMBC-TV, Newton, NJ ▶ **8/2011 – 11/2013**

Delivered high-definition and multi-platform technology solutions supporting 24-hour news channels and 200+ award-winning editors, writers, and producers distributing content throughout the Newton and Trenton markets.

LEAD IT / BROADCAST ENGINEER & MANAGER

Technical & Project Planning - 6 Reports (IT Manager, Broadcast Operations Manager, IT, Broadcast Engineers)
Project Management - Infrastructure Design - Network Performance - Staffing - Operations Efficiency

As Engineer in Charge, took hands-on oversight of network performance, servers, storage, connectivity, IT operations, hardware requirements, upgrades, and troubleshooting – directing staff and contractors in major projects and responsive support. Worked closely with business users and management stakeholders to define and scope upgrades; handled technical support escalations according to uptime expectations in 24x7x365 environment.

- ▶ **HD Network Infrastructure:** Played key design role in \$4.5M emerging technology solution slated for *state-of-the-art digital production* and seamless mobile, cable, ultra HD, live streaming, cable, and broadcast delivery.
 - Laid foundation for transition from SD to HD, calculated system and hardware needs against traffic requirements, including overhead for peak volume periods.
 - Boosted network performance, assisting in strategic planning for storage, fiber infrastructure, and upgrades.

LEAD IT / BROADCAST ENGINEER & MANAGER ▶ *Continued...*

- ▶ **Technology Strategy:** Investigated and recommended strategic improvements / upgrades; assessed trends and monitored network operations to ensure continual broadcast capabilities.
 - Identified new updates and solutions for better optimization within project / capital constraints.
 - Resolved Help Desk escalations; worked with reporters to troubleshoot transmission errors.
- ▶ **Project Leadership:** *Developed project business case* and cost estimates, with presentations to leadership; initiated, deployed, and controlled project flow for initiatives include high-definition post-production site.
- ▶ **Network Capability:** Evaluated equipment life cycles and hardware / networking solutions against standards.

ABC / TVCom (CABC), Newark, NJ ▶ 10/2001 – 1/2011

Served as key team member designing cutting-edge infrastructures and deploying network equipment; maintained and supported hardware, project managed teams in priority projects, and analyzed business communications requirements.

BROADCAST SYSTEMS ENGINEER (6/2004 – 1/2011); SYSTEMS ADMINISTRATOR (10/2001 – 6/2004)

8+ Reports (Broadcast Engineer, Senior Engineer, Contractor, Consultant, Vendors) - Project Coordination Systems Design - New Infrastructures - Field Engineer & Operator Training - Risk Assessment - Network Standards
Received commendations for managing complex projects, designing and building critical networks, monitoring vendor quality, and developing time-saving procedures; accepted ABC role upon transfer from CABC. Designed, built, and managed Windows domain, Active Directory, DNS, DHCP, and IIS Web servers. Verified connectivity for digital file distributions, content feeds, and transmissions via comprehensive testing procedures. Authored installation and operations SOPs; built disaster recovery and rain-fade protection system. As Systems Administrator, planned and project managed life cycle upgrades, networks, and CABC user migration to ABC domain.

- ▶ **HD & Olympics Projects:** *Earned team awards for deploying network infrastructure*, post-production site, and transmission design and testing, plus collaboration with 15+ resources, to launch 4 major HD networks. Led Olympic Highlight Factory New Media Project for content feed / transcoding accuracy to mobile / other devices.
- ▶ **Standardization & SOPs:** Streamlined server buildout, desktop image setup, rollouts, and installation by managing standardization and creating on-site installation procedures. Built and conveyed testing procedures for unit, interface, volume, security, redundancy, and system verifications; managed consultants in builds / upgrades.
- ▶ **Stringent Requirements:** *Met 99.99% uptime expectation* with IT / Broadcast Fiber infrastructure supporting new Production system operation, SAN storage, tape library backup, and Disaster Recovery site backup.

SocialTeen.com: INFORMATION SYSTEMS ADMINISTRATOR (2/2000 – 6/2001)

Supported dot.com-era growth with network infrastructure redesign at social chat provider; led IT split for media spinoff.

AB Financial Systems: SYSTEMS ENGINEER (4/1996 – 2/2000)

Rose through technical support roles as senior-level engineer; planned and deployed anti-virus server; managed security.

TECHNOLOGY CAPSULE

Software: Symantec Anti-Virus; McAfee; Avast; Norton Ghost; Microsoft Exchange & Office; AutoCAD; Acronis

Network: Cisco; Brocade; Q-Logic; Active Directory; ATTO; Check Point Firewall; DNS, DHCP, IIS Servers; SAN; GPI

Platforms: Microsoft Windows & Server Environments; Mac OS X

Tools & Systems: Dell; Apple; HP; Avid Interplay/ISIS; Media Composers & Newscutters; Telestream Agility & Flipfactory; SGL; Front Porch Digital; Final Cut; Time Tailor; Manzanita; GrassValley; Miranda; ILC; Evertz; Crispin; Cyradis; Quantum LTO; 360 Systems; Birdog; Research Concepts; ADTEC; Matrox; BTT; WXC; Volico

EDUCATION

Studies for Associate's Degree in Electrical Engineering
Technical Career Institute & NJ Community College