Bowan B. Bell

Lead Network Structural Engineer | 20+ Years Field Experience | Enterprise Fiber & Copper Infrastructure | Crew Leadership | Voice, Data & Broadband

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SUMMARY

Lead network structural engineer with 20+ years of field experience designing, installing and maintaining the enterprise fiber and copper infrastructure that healthcare, agriculture, manufacturing, finance, logistics and government run on, and 20+ years supervising crews of up to 40. A lead fiber and copper technician since the early 2000s. Accounts served include Milwaukee Tool, Time Warner, Comcast, FedEx, Edward Jones Financial and the State of Pennsylvania. Every application, phone call and camera feed depends on this layer, so I design, install and manage the large enterprise wired, wireless data and VoIP networks that corporations and governments need to operate and grow: structured cabling, fiber, access control, CCTV, VoIP, A/V, and high-speed broadband and satellite installs, plus the crews, tickets and daily operations that keep installs on schedule. Seeking a Layer 1 architect, infrastructure project manager or field operations leadership role in enterprise and data center environments.

CORE CAPABILITIES

- Layer 1 design and build for enterprise networks: structured cabling, server closet and rack build-outs, large-scale installs from blueprints
- Fiber optic and copper infrastructure: single-mode and multi-mode fiber, Cat5e–Cat6A shielded cabling, OSP, coax, termination, labeling and testing
- Enterprise wired, wireless data and VoIP network installation, service and repair
- High-speed broadband and VoIP deployment for ISPs (Comcast, Time Warner) across residential and commercial customers
- Access control and IP security camera (CCTV) design and installation
- A/V systems: projectors, theatre systems, speakers, large-format displays
- Crew leadership: supervising crews of up to 40, scheduling, trouble and damage tickets, equipment and materials
- Documentation: blueprints, construction drawings, as-builts and change orders

Skills: Fiber Optics · Structured Cabling · Layer 1 Infrastructure · Cat6A · OSP · VoIP · Access Control · CCTV · Crew Supervision · Field Service · Computer Hardware · Electrical (110/220) · Arc Welding

EXPERIENCE

Lead Network Structural Engineer — DataComm DSC

May 2017 – Present

Layer 1 lead who designs, installs and manages large enterprise wired, wireless data and VoIP networks, plus fiber, access control and CCTV, for enterprise-class customers whose operations depend on that infrastructure.

- Install Cat5e–Cat6A shielded cabling, single-mode and multi-mode fiber, HDMI and coax, plus access control wiring
- Build out server closets and racks
- Deliver sold services end to end: phones, printers, speakers, access control, CCTV, and monitor and large-screen TV installs
- Lead service for major accounts including Milwaukee Tool
- Read blueprints and construction drawings, document completed work and keep as-builts updated
- Troubleshoot and repair existing voice, data, access control and CCTV systems for service customers
- Coordinate with customers and other trades to keep installs on schedule

Field Operations Supervisor — FTS / Source (CCOR) / Best Pro Services

2005 – 2017

Built and maintained the residential and commercial high-speed internet and VoIP infrastructure for Comcast and Time Warner through contractors FTS, Source (CCOR) and Best Pro Services, moving up to supervising a 40+ person operation.

- Installed residential and commercial high-speed internet and VoIP for Comcast and Time Warner customers
- Supervised daily field operations, resolving damage and trouble tickets
- Led and supervised a crew of 40+ employees, including issuing routers and equipment
- Coordinated crews, schedules and equipment inventory across daily operations
- Trained and mentored technicians on installation standards and safety

Lead Fiber & Copper Technician — Carousel Industries

2004 – 2005

Field technician on nationwide data, voice, fiber and satellite installs for financial, retail and government institutions.

- Installed Cat5e data and voice wiring, fiber optics, OSP and commercial satellite systems for companies nationwide
- Major accounts: Edward Jones Financial, Sonic Drive-in, State of Pennsylvania

Lead Fiber & Copper Technician — Pomeroy

2002 – 2004

Field technician on the FedEx account, supporting fiber optic and OSP data infrastructure.

- Installed, repaired and troubleshot fiber optic and OSP data solutions for the FedEx account

EDUCATION

- Northwest Community College, Pre-law, 1998–2000