

# TIMOTHY J. WILSON

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## ENTERPRISE TECHNOLOGY & NETWORKING LEADER

NETWORK MANAGEMENT ■ ARCHITECTURE DESIGN ■ ENTERPRISE NETWORK ENGINEERING

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*Well-respected leader with pivotal role in technical decisions for global business growth*

**Team Leader and Senior Engineer** skilled in strategic/tactical architecture planning, network standards, capital expenditures, capacity analysis, and project deployments at AT&T Solutions, Merrill Lynch, Sprint, and others. **Go-to IT expert** proficient in managing vendors, analyzing business needs, and leading culturally diverse teams.

- **Data Center Design & Construction**
- **Capital & Operating Expense Budgets**
- **Offshore / Virtual Teams**
- **Project & Team Leadership**
- **Vendor Selection, Management, & Contracts**
- **Build vs. Buy Decisions**

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## TECHNOLOGY CAREER HIGHLIGHTS

- As Network Team Leader, directed 9 engineers in global Cisco data network designs, implementation, and operations **throughout branch offices, campus, and data centers in North America, Asia, and Europe.**
- **Handled relations with AT&T, Sprint, AboveNet, Verizon, Cisco, Juniper, Brocade, Riverbed, Ciena, NetQos, Savvis, Equinix, IBM, and others,** managing contract negotiations and assessing vendor solutions.
- Assisted **post-9/11 Merrill Lynch NY data center move**, restoring services by addressing logistical and implementation issues.
- **Administered annual network capital and operations expense budgets**, scheduling and planning deployments and preparing for new network and project funding requirements.
- **Took part in data center build at Clarify / Nortel Networks** as sole employee moved to San Jose to lead large project, and functioned as technical leader for Merrill Lynch Denver data center deployments. Assisted in Northern Trust **Bangalore office buildout** during global sourcing initiative with 2,500-employee transfer.

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## TECHNICAL BACKGROUND

<b>Networking &amp; Cabling:</b>	Ethernet(10Gb/1Gb/100Mb/10Mb/Metro), T1/E1/T3/E3, xDSL, ISDN, MPLS, SONET, DWDM, ATM, Fiber Optical, Frame-Relay, STP, Token Ring, IPv4, IPX, FCP, L2TP, PPTP, EIGRP, BGP, OSPF, RIP, IP Multicast, Cabling Solutions; Panduit, ADC, Lucent, APC, Copper Cat 6a/6/5e/5 Cabling
<b>Microsoft</b>	Windows Server; XP; Vista; DNS; DHCP; WINS
<b>Hardware:</b>	Cisco - ONS 15454, Nexus Switches, Catalyst Switches, Integrated Service and VXR Routers. Ciena - CN 4200, Online Metro. Juniper- Ex Series Switches, J Series Routers. HP - Standalone, P-Class Blades, C-Class Blade Servers.
<b>Tools:</b>	Network General Sniffer; WireShark; Microsoft Visio; Lucent QIP; Cisco Works; Alterpoint; SolarWinds Orion & Engineering Tools; NetQos; Gigamon; Avocent; VMware Workstation

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## PROFESSIONAL HISTORY

RESOURCES TRUST COMPANY ■ Denver, Colorado, 2005–Present  
**NETWORK ARCHITECT, 2007–PRESENT**

**Set strategic direction as global enterprise network architect, designer, and standards leader guiding infrastructure decisions and developing 5-year technical strategy/roadmap during period of worldwide expansion.** Oversee and design key networking projects slated for nationwide/global impact, including optical networking, greenfield data center, and vendor evaluations. Build and promote best network practices through detailed procedures, task delegation, and project management techniques. Establish LAN/WAN standards.

- **Facilitated \$320K+ annual savings** as technical lead managing RFP process for consolidation to single telecom carrier, with DWDM ring/Metro Ethernet solution modernizing service delivery and transport.

(RESOURCES TRUST COMPANY, CONTINUED...)

- **Delivered data center connectivity solutions**, managing lease vs. buy scenarios affecting contracts of up to \$25M. Led and designed optical networking projects to support business growth.
  - Conserved costs with AboveNet Cisco ONS 15454 managed service replacing Ciena Metro.
  - Delivered new data center Ciena 4200 deployment, AT&T UVN MON solution to remedy at-capacity SONET configuration, and expansion for 10GbE capacity into Denver campus.
- Served as **lead network designer for first new corporate data center in 8 years**, basing infrastructure on next-generation Cisco Nexus switching platform/Juniper switches and issuing all recommendations for \$7.6M in network spend. Coordinated and negotiated 60-device order through Juniper.
  - Championed evaluation of multiple vendor options for data center solution, stimulating dialogue on switch/router technologies and overseeing DC designs from Brocade, Juniper, and others.

#### **NETWORK MANAGER, 2005–2007**

**Guided network engineering team as hands-on leader** to deploy and manage MPLS WAN, branch and campus LAN switching infrastructure, SONET, DWDM, vendor network, Internet, and remote access solutions, in addition to 2 large-scale data centers in the U.S.

- **Improved escalated call volume 35%**, rescuing flagging project with Tier 1/2 support cleanup for Global Network Operations Center (GNOC). Standardized processes and produced detailed documentation.
- Took on **dual networking and business leadership roles**, successfully turning around performance and standardization issues.
- **Improved IT service delivery and cross-platform collaboration**; closed communications gaps between networking and other IT teams, building strong relationships and identifying optimum solutions.
- **Drove continuity in standards adherence** and network management; influenced team engineers in India, directly addressing cultural issues and conveying standardization concepts to promote productivity.
- Influenced security/availability **risk review and remediation solutions** in collaboration with auditors.

MERRILL LYNCH / AT&T SOLUTIONS (THE WILLIAMS GROUP, LLC) ■ Denver, Colorado, 2001–2005

#### **NETWORK ENGINEER**

**Selected to supply long-term support to Merrill Lynch through outsourcing agreement (AT&T as prime contractor)**, serving as lead implementation/project engineer for data center buildouts/deployments and trading systems. Designed, implemented, and supported Cisco router/switch solutions for North American operations, with focus on trading systems integration, connectivity, and security for external business partners.

- **Optimized corporate DataHighway network, serving as Tier 3/4 support** for global WAN and primary contact for all North American institutional trading LAN/WAN infrastructures.
- **Recognized with Encore Awards** for performance; maintained engagement despite 80% RIF.
- Supported high-speed exchange trading and data center connectivity requirements, working in **Board of Trade, Board Options Exchange, and Mercantile Exchange locations**.
- **Enhanced data center capabilities** with 3-Tier Core/Aggregate/Access CAT6500 solution for 24X5 trading, and migration for all Denver hub high-speed data links to new data center WAN infrastructure.

FOREST OIL PRODUCTS ■ Denver, Colorado, 2000–2001

#### **SENIOR NETWORK ENGINEER**

**Recruited based on e-commerce and Internet expertise to design and implement tiered architecture for new, flagship product** to support customer access to design and engineering blueprints. Supported WAN/LAN solutions planning for network and services, delivering ATM over SONET, distributed Gigabit Ethernet Core, frame relay solutions for Europe/Asia Pacific/U.S., connectivity via SONET, and e-commerce network infrastructures.

(FOREST OIL PRODUCTS, CONTINUED...)

- **Mentored junior engineering resources and worked closely with business groups** to ensure reliability and scalability of network solutions, with support for Cisco switches and routers.

CLARIFY / NORTEL NETWORKS ■ San Jose, California, 1997–1999

**SENIOR NETWORK ENGINEER**

**Led 6-person data/voice infrastructure team for Greenfield headquarters campus/data center build.**

Architected network data center and contributed global standards, project coordination, and network design for worldwide applications. Designed Cisco network for global PBX connectivity, and supported rollout for MCI frame relay network WAN.

- **Established company as first in Panduit/Comscope Cat6 solutions installation in Europe** and first for U.S.-based testing, designing and overseeing cabling standards implementation for all regional and international offices.

*Additional Experience:*

XYZ COMMUNICATIONS, **SENIOR NETWORK CONSULTANT**

SPRINT, **NETWORK ENGINEER**

SENTINEL TECHNOLOGIES, **SYSTEMS ENGINEER**

**EDUCATIONAL BACKGROUND**

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**Colorado Valley Community College**, Aurora, Colorado - **ELECTRONICS**

**Columbia College**, Denver, Colorado (*StudioMedia Recording Internship*) - **RADIO SOUND ENGINEERING**

*Certification Studies:*

**Cisco / Juniper / General Networking**

*Professional Training:*

**Cisco Data Center Network Infrastructure Design**

**Building Scalable Cisco Internetworks**

**Building Cisco Multilayer Switched Networks**

**Configuring BGP on Cisco Routers**

**Real World Project Management**

**Navigating Cultures: Working Virtually with India**

**PROFESSIONAL AFFILIATIONS**

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**Internet Society (ISOC)**

**Institute of Electrical & Electronics Engineers (IEEE)** - *Computer Society and Communications Society*

**The Futures Industry Association (FIA)** - *Information Technology and Denver Chapters*