TIMOTHY PATERSON

CCNA, CCEA, MCSE, MCTS

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SYSTEMS & INFORMATION SECURITY ANALYST

Safeguarding Systems, Tightening Controls, & Increasing Capacity to Meet Business Needs

"All Systems, All The Time" Approach to Corporate Asset Protection

Versatile technical lead and team resource noted for clarifying complex concepts to facilitate collaboration with executives, peers, vendors, and users. **2010 IT Bachelor's graduate** poised for entry into Information Security Master's program, with broad networking, systems administration, compliance, support, troubleshooting, and design/deployment skills.

COMPETENCIES & ACHIEVEMENTS

Infrastructure Planning | Vulnerability Assessments | Security Controls | Virtualization | Enterprise Networks

Data Center Expansion | User Training | Project Management | Business Continuity | Vendor Collaboration | Encryption

- Prevention of capacity and service issues, including **potential data loss** affecting HIPAA compliance, adding scalable infrastructures with single-weekend Microsoft Dynamics GP system migration and related security updates/patches.

- **Secure remote access connectivity** for centralized Web terminal operation achieved with perimeter controls (firewall, traffic permissions, wireless logins); shielded site from physical network port vulnerabilities with additional controls.

- **Systems protections** including investigation of potential breach by parsing access logs to uncover unauthorized logins, plus deployment of security certificates.

- Vendor evaluation and collaboration as primary IT administrator to large food processing corporation chartered with **systems security and availability** needed to maintain time-critical business operation.

- Management of infrastructure site expansion, designing wireless connectivity points and controls to prevent external access. Designed full network map and managed implementation.

- Wide range of IT administration and networking expertise in physical-to-virtual server migrations, ESC/ESXi host deployments, Citrix Metaframe and Access Gateway, Cisco routers/switches, VMWare Server/GSX on Windows, Linux, and VMWare Workstation, plus Active Directory and Exchange migrations, deployments, and troubleshooting.

PROFESSIONAL HISTORY

SYSTEMS ENGINEER
TEKSYSTEMS, Denver & Colorado Springs, Colorado   2009–2010

Leveraged security, systems, and infrastructure background to serve as single-source IT department for outpatient surgical hospital, managing all email, ERP systems, phone and desktop support, database tasks, and VoIP implementation.

Collaborated with end users and CEO/CFO to set foundation for reliability and security, working within budget to formulate and implement strategic technology solutions.

- **Conserved resources** while supplying long-range imaging solution, turning up **site-to-site VPN (Internet) tunnel** between hospital and imaging center; resolved requirements for direct data transfers among disparate equipment.
  - Expanded connectivity solution to third-party company, designing VPN solution to access billing data.

- Brought **VMWare infrastructure** current with Best Practices, deploying V2V and P2V conversions.

- **Controlled IT support costs**, taking on Microsoft Dynamics ERP data migration from Great Plains 9 to 10, despite unfamiliarity with package. Quickly ramped up on database, applications construction, and programming needs.

SYSTEMS ENGINEER
LAZER NETWORKS, INC., Denver, Colorado   2008–2009

Maintained systems availability and security levels as consultant engineer to business clients, working within multiple sites serving as primary IT support, contractor to client technical teams, and peer engineer working with design architect. Installed and renewed security certificates to maintain secure Web access for clients.

Set up systems and networks as strategic business solutions, deploying VMWare, network infrastructures, and security certificates for clients in diverse, enterprise-level settings requiring collaboration with IT Directors, users, and technical staff. Documented client systems and networks to maintain business continuity.

- **Expanded City of Windsor capacity,** deploying large server room including hot aisle containment, redundant power connections, and distributed battery systems to handle organizational growth needs.
- **Met 100%** of service agreements for network support including monitoring and troubleshooting requirements.
- Preserved systems uptime with proactive research into potential reliability and security issues.

NETWORK ADMINISTRATOR
TEXAS FOODS, INC., Dallas, Texas   2005–2008

Took central systems capacity and security analysis function for large, multi-location harvesting, processing, and retail operation plus sister company (largest supplier to ABC Ketchup), managing all systems and support functions for 15-server Citrix farm, 40+ AP wireless network, and help desk, with peak-season, 24X7 on-call responsibility.

Preserved systems availability with VMWare implementation for testbed and subsequent production use, secured wireless access via Bluesocket Controller system, led high-capacity MPLS network replacement for point-to-point configuration, upgraded spam filters, authored documentation, and added security measures. Boosted capability with printer upgrades from serial to network. Project managed contractors and vendors, selecting equipment and securing test environments.

- **Cut downtime** with systems performance analysis and improvements; educated users on best practices in systems usage and problem resolution to avert issues, with additional training for TrackIT with Service Desk+ to meet capacity needs.
- **Improved technical information sharing** with design and implementation of Wiki site for documentation that recorded infrastructure build details, configurations, and problem resolutions for common technical issues.
- **Managed data center relocation** network configuration, migrating into professional hosting facility.

NETWORK MANAGER
MMN MEDICAL CORPORATION, Colorado Springs, Colorado   2001–2004

Supported radiation oncology practice as **sole regional IT provider** monitoring and addressing multi-site desktop, server, and hardware. Upgraded domain architecture, relocated office/data center, and added database backups.

TECHNICAL BACKGROUND

Networking & Platforms:	VMWare Virtualization (ESX, ESXi, Server/GSX, Windows Server, Linux Server); Citrix Metaframe, Access Gateway; Microsoft Active Directory (SQL, IIS, ISA), Exchange, WSUS; Dell; HP; Cisco Routers & Switches; SonicWALL; CheckPoint; NetGear(Switches, Routers, Firewalls); ServiceDesk+; Vista; Linksys
Protocols:	Tier Data Circuits; ISDN; MPLS; Frame Relay; Broadband; WIFI/80; Linksys; TCP/IP

EDUCATION

UNIVERSITY OF WISCONSIN, Madison, *Bachelor of Science in Information Technology* (2010)

Security+; Cisco Certified Network Associate & Enterprise Engineer; MS Certified Systems Engineer & Technology Specialist