

# John M. Telford – Résumé

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## Objectives

- Information Technology Management.
- Infrastructure Architecture.

## Profile

- Senior Information Technology practitioner with multidiscipline and complex project experience.
- Extensive Information Technology hands-on experience.

## Specialties

- Applying a systems view to databases, hardware, networking, security, software, and Web technologies.
- Creating, managing, mentoring, and working with, a diverse range of teams.
- Maximizing Information Technology investments and security.

## Technology Applications Management.

- Created and managed a product integration and evaluation team responsible for testing, configuration management, and packaging, of a commercial UNIX derivative operating system.
- Managed software engineering department responsible for the planning, development, production, and sustaining of real-time software, and user application products.
- Created and managed database applications and systems teams.
- Managed upgrading Enterprise Requirements Planning (ERP) and Customer Relationship Management (CRM) products to supported releases.
- Managed local and remote Electronic Data Interchange (EDI) teams.
- Managed hardware and software technical publications department.

## Technology Infrastructure Management.

- Architect and manager of a large-scale 24 x 7 x 365 three-tier infrastructure deployment using remote servers and workstations.
- Created and managed computer resource teams for both clients and employers.
- Performed Information Technology infrastructure assessments.

## Application Development Projects.

- Embedded operating systems, applications, and development systems.
- Forth-like procedural, structured, stack-based, programming language and environment.
- High-energy physics data reduction and application programs.
- Transform DocBook XML source into HTML, PDF, and PostScript documents.
- Numerous utilities written in various compiled and scripting languages.
- Error correcting downloading system for microprocessor development systems.
- Engineering, financial, and graphic applications.

**Databases Projects.**

- MySQL – Web graphics, Meta data, and Web blogs.
- Oracle – Financials, ERP, and CRM.
- SQL Server – ERP, and three-tier infrastructures.

**Infrastructure Rebuilding and Extending Projects.**

- Managed rebuilding of dysfunctional infrastructures, utilizing contemporary hardware, software, and networking technologies.
- Updated DOS and NetWare network, servers, and workstations, to Microsoft Windows.
- Installed and maintained Microsoft Enterprise Resource Planning (ERP) products, Microsoft SQL server, and migrated them to a VMware virtual server environment.
- Selected, installed, and maintained Network Attached Storage (NAS) appliance servers.
- Selected, Installed, and maintained AntiVirus products for servers and workstations.
- Developed proof of concept projects for Windows Terminal Server and Citrix.

**Internet Development Projects.**

- Developed a technologically evolving commercial Web site.
- Developed program for measuring detailed Web sit response times.
- Created and ran an on-site Internet Service Provider service.
- Configured and ran an off-site Internet Service Provider service.
- Web site shopping carts and checkout.
- Web site analytics.

**Networking Infrastructure Projects.**

- Developed a resilient large campus network infrastructure using Cisco routers and switches, including WANs connecting satellite business operations.
- Developed a lean Linux distribution for deploying recycled desktop PCs as routers.
- Configured Cisco routers for load balancing and fail-over.
- Hardware, Internet, networking, and performance proactive monitoring programs.
- Evaluated contemporary infrastructure monitoring products.

**Operating System Projects.**

- Developed embedded operating systems, products, and development systems.
- Installed Apple Mac OS X, Linux, Microsoft, and UNIX operating systems.
- Installed scientific mainframe operating systems.

## Consulting

- **Systems Architect** – State Agency. Portland, OR. 2009 – 2010
- **Infrastructure Architect** – Forest Products Company. Springfield, OR. 1999 – 2009
- **Systems Architect** – Social Networking Company. Portland, OR. 2009
- **Information Technology Manager** – Consumer Products Manufacturing Company. Vancouver, WA. 2005 – 2008
- **Web Site Development** – PhotonJohn.com LLC. Portland, OR. 2004 – Present
- **Web Site Performance Engineer** – Apparel Manufacture. Beaverton, OR. 1999
- **Systems Architect** – Floral Products Manufacture. Beaverton, OR. 1998 – 2003
- **Infrastructure Architect** – Retirement Plan Services. Beaverton, OR. 1998 – 2001
- **Owner** – Internet Service Provider. Portland, OR. 1996 – 1999
- **Infrastructure Architect** – City Agency. Carlton, OR. 1999
- **Systems Architect** – City Agency. Portland, OR. 1998
- **Systems Architect** – Web Portal. Portland, OR. 1998
- **Infrastructure Architect** – Transportation Manufacture. Portland, OR. 1993 – 1997
- **Database Evaluation** – Media Research. Toronto, Ontario, Canada. 1993
- **Software Analysis** – Object-Oriented Software Company. Corvallis, OR. 1993
- **Systems Architecture** – Utility Data Collection. Spokane, WA. 1993
- **Systems Programmer** – Public Utility. Portland, OR. 1991 – 1993

## Employers

- **Owner** – JohnTelford.com LLC, Portland, OR. 1991 - Present
- **Manager: Computer Resource Group, Information Services, Product Integration and Evaluations, Technical Publications. Senior Staff Technology Analyst,** – IBM (Sequent Computer Systems), Beaverton OR. 1983 – 1991
- **Manager Engineering Support** – VMware, Inc. (GemStone / Servio Logic Corporation), Beaverton, OR. 1982 – 1983
- **Manager Software Engineering, Systems Engineer** – Electro Scientific Industries, Portland, OR. 1977 – 1982
- **Systems Programmer** – Modular On-line Systems, Portland, OR. 1976 – 1977
- **Systems Programmer** – Tektronix, Beaverton, OR. 1973 – 1976
- **Programmer, Computer Operator** – Lawrence Berkeley Laboratory, Berkeley, CA. 1965 – 1972

## Education

- **Bachelor of Science Electronic Engineering** – California State University at San Luis Obispo.
- **Cisco CCNA.**

## Technology

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### Backup Software

- Amazon S3 / Jungle Disk, ARCserve, DataKeeper, dump, Mozy, robocopy, rsync, Symantec (Veritas) Backup Exec, tar, V2i, ViceVersa

### Databases

- **Microsoft** – Access, SQL Server
- **MySQL** – FreeBSD, Linux, Mac OS X
- **Oracle** – Linux, UNIX, Windows
- **SQLite** – Mac OS X

### Electronic Data Interchange (EDI)

- **SPS Commerce**
- **Sterling**

### Enterprise Resource Planning (ERP)

- **ASK** – ManMan
- **Infor** – Visual
- **Microsoft** – Dynamics SL

### Graphics

- **Adobe** – Lightroom, Photoshop
- **Microsoft** – Visio
- **Omni Group** – OmniGraffle
- **OpenOffice** – Draw
- **Xmind**

### Internetworking Technologies

- **Connectivity** – 10/100/1GbE, cable, dial-up, DSL, Fibre Channel, fiber optics, Frame Relay, ISDN, MPLS, T1
- **Firewalls** – Cisco IOS, Cisco PIX, Linux, Palo Alto Networks, Netopia
- **Routers** – Cisco 2501, 2811, 3560, 3750, Linux.
- **Remote Acces** – Citrix, GoToMyPC, pcAnywhere, Remote Desktop Connection, VNC
- **Switches** – Cisco 2912, 2950, 2960, 2970, 3560, 3750, HP 2824, 2848
- **Wireless** – Cisco Aironet, D-Link, Linksys

### Microsoft Technologies

- Active Directory (AD), Active Server Pages (ASP), Distributed File System (DFS), Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), Exchange, file and print servers, Internet Explorer (IE), Internet Information Server (IIS), Microsoft Message Queuing (MSMQ), Microsoft Project (MSP), Microsoft Office, PowerShell, Remote Desktop Connection (RDC), robocopy, SQL Server, Visio, Visual Basic (VB), Visual SourceSafe (VSS), Visual Studio, Volume Shadow Service (VSS), Windows Internet Naming Service (WINS), Windows Server Update Services (WSUS)

### Operating Systems

- **Apple** – Mac OS X

- **Linux** – Red Hat, SuSE, Ubuntu
- **Microsoft** – DOS, Win3/9x, NT, 200x, XP, Win7
- **UNIX** – AIX, BSD, FreeBSD, HP/UX, Solaris, System V

### **Performance Monitoring and Tuning**

- **Network Monitoring** – Cacti, ipaudit, IPerf, IPCheck, IPNetMonitor, MRTG, Nagios XI, NDT, NetStumbler, ntop, PRTG, RRDtool, tcpdump, tcptrace, wireshark, Wi-Spy
- **Systems Monitoring** – /proc, IPCheck, Net-SNMP, perfmon, System Activity Reporter (SAR), top.

### **Programming Languages**

- Active Server Pages (ASP), assembly, awk, bash, C, C++, CGI, csh, CSS, Forth, Fortran, HTML, Java, JavaScript, Pascal, Perl, PHP, PowerShell, sh, Visual Basic (VB).

### **Programming Tools**

- Apache Ant, CVS, Eclipse, Make, RCS, Subversion (svn), Visual SourceSafe (VSS), Visual Studio.

### **Software Development Methodologies**

- Agile, Extreme Programming, Rapid Application Development (RAD), Scrum, Systems Development Life Cycle (SDLC)

### **Storage Area Network**

- **HP** – ProLiant MSA 1000
- **IBM** – DS4700
- **NetApp** – 2400

### **Virtualization Technologies**

- **VMware** – ESX, ESXi, Server, Workstation, Fusion, Player

### **Web Technologies**

- **Adobe** – Adobe Interactive Runtime (AIR), Flex, and Flash Media Server
- **Blogs** – Blogger, WordPress
- **Content Management Systems** – Drupal, Mambo, Plone
- **Email** – Exchange, NTMail, Postini, Qmail, Sendmail
- **Programming** – ASP, CGI, CSS, CSSEdit, HTML, JavaScript, Perl, PHP.
- **Servers** – Apache, Internet Information Server (IIS), Tux
- **Shopping Carts** – Google Checkout, PayPal.
- **Web Monitoring** – Firebug, Keynote, Mercury Interactive LoadRunner, Webbot, Xyle scope
- **Web Site Analytics** – AWStats. Google: AdSense, AdWords, and Analytics. WebTrends.