

John M. Telford - Résumé

503.432.8152 - 13508 NW Springville Road - Portland, Oregon - john@johntelford.com

Summary

- Competent and knowledgeable senior IT system engineer.
- Use my skills, ideas, and intuition; coupled with my abilities of analyzing, creating, and remediating complex systems.
- Delivers creative and practical solutions.
- Hands-on experience with most contemporary IT technology.
- Collaborates with stakeholders to accomplish multi-discipline goals.
- Consultant or employee.

Professional Experience

JohnTelford.com LLC, Owner

1991 – Present

- Owner of a sole proprietorship information technology consulting company.

PhotonJohn.com LLC, Owner

2004 – Present

- Owner of a sole proprietorship company specializing in producing artwork photography that delivers accurate representation in color and detail.
- Continually evolving commercial web site using contemporary techniques and technologies.

Daimler Trucks North America. Infrastructure Business Analyst Consultant

2011

- Found disparate pieces of information and built a database to determine groups of users to migrate to a Windows 2003 Active Directory domain.
- Helped application owners and developers to understand the impact of domain migration, and develop requirements for remediation.

Oregon Public Employee Retirement System. System Architect Consultant

2009 – 2010

- Helped deploy SAN storage technology, VMware, automatic document generation, and proactive monitoring tools.

Rosboro Lumber Company, Springfield, OR. Infrastructure Architect Consultant

1999 – 2009

- Evolved a resilient Cisco based network infrastructure with client, for company campus including network routers, switches, WANs connecting satellite business operations, and physical and virtual servers.
- Worked with client on consolidating application, file, and print servers using VMware ESX virtual machine technologies.
- The continuing success of this evolving infrastructure is due to using industry standards, designing for change and implementing proactive monitoring throughout.

Cadet Manufacturing, Vancouver, WA. Information Technology Manager Consultant

2005 – 2008

- Performed an infrastructure analysis with client.
- Managed the rebuilding and extending, the Information Technology infrastructure and team.
- Managed a production system makeover utilizing contemporary database, hardware, networking, security, software, virtual server, web, and workstation technologies. Equivalent to replacing the pistons in an engine while it was running.

Nike, Inc. Beaverton, OR. Website Performance Engineer Consultant

1999

- Web site performance engineer responsible for measuring and documenting web site performance, and making recommendations for improvements.

Dinihanian Floral Products, Beaverton, OR. System Architect Consultant

1998 – 2003

- Systems architect responsible for migrating from NetWare to Windows servers.
- Evaluated accounting and financial core software with company management. Installed Microsoft Dynamics SL (Business Solutions-Solomon) Enterprise Resource Planning (ERP) product, Microsoft SQL server, and migrated them to a RAID-based VMware virtual machine environment.
- Implemented and administrated the new infrastructure.

National Association, Inc, Beaverton, OR. Infrastructure Architect Consultant

1998 – 2001

- Performed an infrastructure analysis. Managed a production system makeover utilizing contemporary database, hardware, networking, security, software, virtual server, web, and workstation technologies.

- InfoForce, Inc., President** **1996 – 1999**
- InfoForce, Inc. was an early Internet service provider delivering business services to small and medium size companies.
 - Designed, deployed, and operated the Internet site infrastructure providing email and Web services. Created Linux Domain Name System (DNS) servers, DeMilitarized Zone (DMZ) routers, and firewalls. Created Perl programs for measuring client Web services network traffic.
- City of Carlton, OR. Infrastructure Architect Consultant** **1999**
- Infrastructure architect responsible for helping agency deploy an infrastructure.
- Multnomah County, OR. System Architect Consultant** **1998**
- Responsible for helping agency evaluate and develop a sustainable architecture.
- Daimler Trucks North America. Infrastructure Architect Consultant** **1993 – 1997**
- Infrastructure architect responsible testing and deploying a large-scale 24 x 7 x 365 three-tier remote servers and workstations infrastructure.
- Arbitron Inc. Toronto, CA. Database Evaluation Consultant** **1993**
- Database evaluation consultant responsible for helping the company select a database system for large-scale deployment.
- Rogue Wave Software, Inc. Corvallis, OR. Software Analyst Consultant** **1993**
- Software analyst responsible for analyzing object-oriented software products.
- Itron, Inc., Spokane, WA. System Architect Consultant** **1993**
- System architect responsible for the analysis of remote utility meter reading products.
- Northwest Natural Gas, Portland, OR. Systems Programmer Consultant** **1991 – 1993**
- Systems programmer responsible for developing business graphic applications.
- Sequent Computer Systems, Manager Product Integration and Evaluations, Manager Information Services, Staff Technology Analyst** **1983 – 1991**
- Created and managed the group responsible for testing the integrity, and the integration, building, configuration management, version control, and production release, of a UNIX operating system.
 - The grey-box testing infrastructure was a core component for stress testing symmetric multiprocessing hardware.
 - Identified, evaluated, and assimilated emerging information technologies, including relational database systems, transaction managers, graphical user interfaces, object-oriented technologies, knowledge-based systems, CASE tools, configuration management, version control, and natural language systems.
 - Created and managed the Information Services group.
 - Created and managed the Computer Resource Group.
- Servio Logic, Manager Engineering Support** **1982 – 1983**
- Manager responsible for engineering support.
- University of Portland, Computer Science Adjunct Professor** **1979 – 1981**
- Created and taught programming and operating system classes.
- Electro Scientific Industries, Manager Software Engineering, Systems Engineer** **1977 – 1982**
- Software engineering manager responsible for the planning, development, production, and sustaining of real-time software, and user application products. The software products supported laser-based systems serving the hybrid and semiconductor marketplace.
 - Systems engineer responsible for the hardware and software architecture of embedded microprocessor electronic instrument product line. Developed embedded operating systems, applications, and development systems.
- Modular On-line Systems, Systems Programmer** **1976 – 1977**
- System programmer consultant responsible for developing client solutions.
- Tektronix, Systems Programmer** **1973 – 1976**
- Systems programmer responsible for operating systems of large scientific computers.
- Lawrence Berkeley Laboratory, Programmer, Computer Operator** **1965 – 1972**
- Programmer responsible for high energy physics data reduction programs.

Technical Expertise

Applications: *Mac:* DEVONagent, DEVONthink, iWork, OmniGraffle, OmniPlan, Xmind. *Microsoft:* Active Directory, Active Server Pages, Distributed File System, Exchange, Internet Information Server, Project, Office, PowerShell, robocopy, SharePoint, SQL Server, Visio, Visual Basic, Visual SourceSafe, Volume Shadow Service.

Databases: *Microsoft:* Access, SQL Server. *MySQL:* FreeBSD, Linux, Mac OS X. *Oracle:* Linux, UNIX, Windows. *SQLite:* Mac OS X. *Sybase:* UNIX.

Enterprise Resource Planning (ERP) – *ASK:* ManMan, *Infor:* Visual, *Microsoft:* Dynamics SL.

Methodologies and Tools: agile, extreme programming, rapid application development, scrum, systems development life cycle. *Tools:* apache ant, cvs, git, make, rcs, subversion.

Network 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 Access:* Citrix, GoToMyPC, pcAnywhere, Remote Desktop Connection, VNC. *Switches:* Cisco 2912, 2950, 2960, 2960-S, 2970, 3560, 3750, HP 2824, 2848. *Wireless:* Cisco Aironet, D-Link, Linksys

Operating Systems: *Mac:* OS X. *Microsoft:* DOS, Win3/9x, NT, 200x, XP, Win7. *UNIX:* AIX, BSD, FreeBSD, HP/UX, Solaris, System V, Red Hat, SuSE, Ubuntu.

Performance Monitoring and Tuning: *Network Monitoring:* Cacti, ipaudit, IPerf, IPCheck, IPNetMonitor, MRTG, Nagios XI, NDT, NetStumbler, ntop, Paessler PRTG, RRDtool, tcpdump, tcptrace, Wireshark, Wi-Spy. *Systems Monitoring:* Iproc, IPCheck, Net-SNMP, perfmon, SNMP Informant, System Activity Reporter (SAR), top. *Network Performance:* Iometer, IPerf.

Programming Languages: assembly, awk, bash, C, C++, csh, Forth, Fortran, Java, Pascal, Perl, PHP, PowerShell, sh, Visual Basic

Virtualization Technologies: VMware: ESX, ESXi, Fusion, Player, Server, Workstation.

Web Technologies: *Blogs:* Blogger, WordPress. *Email:* Exchange, NTMail, Postini, Qmail, Sendmail. *Programming:* ASP, CGI, CSS, CSSEdit, HTML, JavaScript, Perl, PHP. *Servers:* Apache, Internet Information Server. *Shopping Carts:* Google Checkout, PayPal. *Web Monitoring:* Firebug, Webbot. *Web Site Analytics:* AWStats, AdSense, AdWords, Analytics, WebTrends.

Education

Bachelor of Science Electronic Engineering – California State University at San Luis Obispo, 1970
Certifications – Cisco CCNA