

**John P. Rouillard**

**150 Doty St  
Waltham, MA 02452  
(781) 891-8474  
rouilj@ieee.org**

**OBJECTIVE**

A challenging system administration or management position that allows me to work with others to automate, refine and streamline operational procedures.

**SUMMARY**

Senior systems administrator (SAGE rating) with more than 10 years experience in administering multiple Unix platforms. Experienced in non-Unix platforms including DOS, MacOS, Microsoft Windows and VMS. Automation of machine administration, multi-machine configuration control and security using no cost open source software is a specialty. Skills include:

**Operating systems:** Solaris, Linux, Windows XP/2000/9x, various other Unix variants DOS, MacOS 7/8, RSX-11M, VAX/VMS

**Languages:** Bourne shell, Perl, PHP, some SQL, some Python, AutoIt, Awk, `C`, `C++`, DCL, DOS Batch, Fortran, HTML, Kixtart, TeX/LaTeX, Sed, Tk/Tcl/Expect, Visual Basic

**Protocols:** TCP/IP, SNMP, HTTP, SMTP, NFS, DNS, Ethernet, LDAP, NETBIOS, NIS, NNTP, NTP, SMB, WINS

**Network hardware:** Cisco routers/switches/terminal servers, 3Com switches, Cyclades/Opengear terminal servers, KarlBridge, Netblazer, Vitalink bridges, Wellfleet routers

**Other software:**

Databases: Oracle, MySql, Postgresql, Informix, ObjectStore

PC Software: Cygwin, MS Office: Access/Excel/Powerpoint/Word, OpenOffice

Security Software: ssh, iptables, tcp-wrappers, cops, satan, socks, nessus, nmap, openvpn, skey, snort, tripwire

System/Network Monitoring and Correlation: Nagios, sec, rrdtool, tkined/scotty, tkwatcher, webinject

Network Software: Apache, Sendmail, majordomo, samba, VNC, X windows, xntp, AMD automounter, CAP, Cnews, INN, netatalk, squid, ldap

Development, configuration control, trouble tracking, groupware: cvs, subversion, Twiki, roundup, rdist, rsync, rt, Emacs, gcc, GNU software

**SELECTED WORK EXPERIENCE**

Senior System Administrator – Renesys Corporation, Manchester, NH (9/2005 – present)

- Responsible for first line on-call support in a 7x24 operations environment (rotating basis)
- Implemented computer configuration management to track, deploy, rollback and verify configuration changes; reduced system install time from days to hours.
- Integrated concepts from ITIL, LEAN and Six Sigma into operating procedures to eliminate downtime, increase efficiency and reduce time to resolve problems
- Deployed Nagios monitoring and developed enhanced correlation for Nagios based on SEC
- Wrote and taught CBT for configuration management and monitoring systems
- Worked with developers to create requirements for packaging and design of software to improve deployment, monitoring and control

Systems Integrator (and administrator) – Harris Corporation, Microwave Communications Division, NetBoss Unit, Melbourne, FL. (contract assignment 2/2001 – 2/2005)

- Designed, implemented and tested SNMP polling engine to provide proactive network management that saved \$100K-\$200K on a project

- Implemented secure encrypted remote access mechanism using ssh to customer that reduced expenses on a project by more than \$120,000
- Standardized installation of Solaris 8 and NetBoss product using customized, configuration controlled, jumpstart installation
- Installed TWiki groupware tool for software repository, version control and documentation of tools and procedures used by integration
- Saved \$20,000/yr using Cygwin X windows servers for regression testing rather than purchasing extra hardware
- Managed employee including: assigning tasks, tracking employee's time, and evaluating and guiding employee's professional development
- Established cross department sys-admin team to coordinate changes and deploy best system management practices across the development, test, integration and customer support teams

#### Planetarium Assistant – Astronaut Memorial Planetarium and Observatory, Cocoa, FL (11/97 – 9/2000)

- Integrated Apple, Windows 9x and NT systems using a Linux computer for file, print and other services
- Created disaster recovery procedures allowing rapid installation and recovery of critical systems
- Leveraged server to reduce effort required to install and maintain windows 9x systems

#### EMT/Dispatcher – Coastal Health Services of Brevard, Rockledge, FL (8/96 – 10/98)

- Applied process improvement tools including Pareto charts, Ishikawa diagram, surveys, etc.
- Performed statistical data analysis to reduce late arrivals on scheduled transports

#### Senior Systems Administrator – IDD Information Services, Waltham, MA (7/94 – 12/95)

- Designed, configured and installed LAN and WAN network hardware for a high availability network with Cisco, Wellfleet and Synoptics equipment
- Interviewed, hired and managed employees in the system administration team
- Trained novice and junior administrators in best practices and policies

#### Systems Programmer – Siemens Nixdorf R&D, Burlington, MA. (contract assignment 1/93 – 7/93)

- Designed and created software tools allowing support staff to manage system configurations in a heterogeneous network
- Ported the AMD automounter to allow continued operation of the network in the face of NFS server crashes
- Eliminated redundant and out of date software, provided easier, consistent access to software across the network
- Installed a system to provide a simple, standard mechanism for users to discover and use installed software

#### Programmer/Toolsmith -- Lotus Development Corporation, Cambridge, MA. (contract assignment 2/91 – 8/91)

- Implemented automated maintenance of software and system configurations for all machines
- Designed code management system to maintain up to date code across 3 development centers and multiple platforms
- Improved productivity of developers by building inverse dependency lookup and other tools

## **PUBLICATIONS**

- Rouillard, John P. and Richard B. Martin. "Config: A Mechanism for Installing and Tracking System Configurations", 8th USENIX System Administration Conference (LISA VIII) Proceedings, September 1994, pp 9-17.
- Rouillard, John P. and Richard B. Martin. "Depot-Lite: A Mechanism for Managing Software", 8th USENIX System Administration Conference (LISA VIII) Proceedings, September 1994, pp 83-92.
- Rouillard, John P. "Real-time Logfile Analysis Using the Simple Event Correlator (SEC)", 18<sup>th</sup> USENIX System Administration Conference (LISA '04) Proceedings, November 2004, pp 133-149.

## **EDUCATION**

B.S. in Physics: December 1990, University of Massachusetts at Boston, Boston, Massachusetts.