

Dave Toal  
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#### **Systems and Software:**

Solaris 2.x, Red Hat, SuSE, Ubuntu GNU/Linux; AIX, Windows NT, 2000, 2003, XP; NFS, NAS, SAN, LVM, DNS, DHCP, SMTP, SNMP, Samba, lp, CUPS; vi, rsync, scp, ssh, ftp.

Veritas Netbackup, Firstwatch, Cluster Server, Volume Manager, and File System. Sun servers, e.g. Ultra 2, E450, E3500, V880; NetApp F330, F520, F740, F760; some EMC, Clariion, Brocade and Emulex; StorageTek 9710, 9714, Quantum DLT7000.

AppWorx Scheduler, Apache, Netscape Server, Pubsys, Oracle, MySQL, CVS, WebLogic, MKS Toolkit; Microsoft Office, Active-State Perl 5.8.

#### **Languages:**

OO Perl, CGI, sh/ksh/bash, csh/tcsh, expect, awk, sed, SQL, C, Tcl/Tk, HTML, javascript, PHP, DOS/NT batch script, POV-Ray

Examples of code: <http://dtoal.net/code>

#### **Work History:**

**Computershare, Canton MA 4/2007 - 7/2011**

##### **Perl programmer**

##### **Responsibilities:**

Production process support. Resolving issues with print jobs for cheques, statements, certificates, and mail labels, and identifying incorrect files. Splitting input files by data field for sample runs. Handling missed files to meet SLA and S.E.C. requirements. Verifying printed and client-facing website output. Coordinating configuration changes with system and network admins.

##### **Accomplishments:**

- Maintenance scripts to check ongoing print runs and output, monitor daily file transfers, and report failed files
- Logging scripts and graphing tools to report production disk usage and latency, and notify on disk space issues

- Server and process monitoring on production hosts, to provide information on restart procedures and expected disk mounts
- Installed UNIX utilities on production Windows hosts, to facilitate administration and support scripting requirements

**SUNY Maritime College, NY 3/2007**

**Inventory Database Consulting**

Synchronized parts inventory and PC-SAL shipboard maintenance management system.

**Santiago LLC, New Bedford MA 1/2007**

**Systems Monitor Consulting**

Wrote restart and notification tools for application server.

**Personal research project, magnetic generator 7/2006 – 10/2006**

**Thomson CompuMark, Quincy MA 5/2000 - 6/2006**

**Systems Architect**

**Responsibilities:**

Uptime of production systems, updating business code for format changes from data sources, e.g. USPTO and Verisign, fixing application, process flow and print system problems, responding to Saegis.com client issues. Updating production, staging and developers' environments, evaluating systems and application performance, migrating data and apps across physical storage. Maintaining current patch and module revisions with downloads from e.g. sunsolve.com and www.cpan.org. Installing backup client software, monitoring and verifying system and db backups, resolving issues with tape libraries and DLT drives. Developing standards for system install configuration and disk partitioning, documenting procedures and code for operations staff and other admins; assisting with Saegis.com web hardware moves and code migrations. On-call pager and ssh access for telecommute and support issues outside of business hours.

**Accomplishments:**

- Improved uptime on the Saegis.com web site, and production unix and NT environments, with restart and notification scripts in shell and Perl, wrote filesystem, service, and process monitors in Perl for Saegis.com NT servers
- Wrote and maintained Oracle database parallel refresh process, ftp download and format conversion process for USPTO data, and graphical disk and system activity monitors
- Assisted with design of, and maintained, zone file download and update process for Saegis.com domain name BRS databases
- Installed and maintained RHEL compute servers handling rsh calls from Solaris print process servers, with shared NFS output volumes

**Thomson & Thomson, Quincy MA 4/1998 - 5/2000****Associate Network Architect****Responsibilities:**

Updating and verifying backup scripts, DNS, and hosts files for production and staging environments. Rack installing and cabling servers, and performing O.S. installs and upgrades. Resolving issues with production processes and files.

**B.C. Sound, New Bedford MA 1996 – 1998****Sound Engineer****Education:**

S.M.U., North Dartmouth MA, 1982 - 1987 Computer Science,  
B.S., incomplete;  
S.A.T. scholarship, 1982