

Robert Bernstein M.A.

Unixcentric Structured Document Writing, Editing and Content Management

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Culturally literate, street savvy, user friendly Generalist and Unix Sysadmin.

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1 Experience

1.1 Fairly Recent

Integrated Statistics <http://integratedstatistics.com>, **Woods Hole, MA** *August, 2004 - March, 2005* Unix/Linux system administration for NOAA Coastwatch. Upgrade principal server to Red Hat Enterprise Linux, Maintain SGI Irix server.

NOAA Coastwatch <http://newton.gso.uri.edu/coastwatch>, **Narragansett, RI** *March - November, 2003* Unix/Linux system administration, website authoring. Update and maintain Red Hat Linux and SGI Irix servers.

- A brief description of this work for NOAA is on my home page <http://about.ruptured-duck.com>.

1.2 Less Recent

BSDtoday.com <http://bsdtoday.com> *May, 2001 - January, 2002* Contributed articles about the BSD scene.

EarthWeb.com <http://earthweb.com> *December, 2000 - January, 2001* Authored a series of articles on SQL-base MUA's (mail user agents).

Caldera Systems Inc. <http://www.sco.com> (now **SCO Group Inc.**) *May, 2000 - September, 2000* Authored several 'Solution Guides' for Caldera's eBusiness Marketing Division.

MacMillan Publishing Co. <http://www.mcp.com>, **Indianapolis, IN** *August-November, 1999* Technical editor for two KDE <http://kde.org> books.

- Details of the writing and editing work listed above are on my web site <http://about.ruptured-duck.com/writings.html>.

1.3 Distant Past

Bugbee & Niles Co. Inc., Providence, RI *November, 1993 - October, 1998* Office systems programmer/administrator.

- Authored and implemented Order Entry, Bills of Materials, Inventory Control & Purchasing system in AlphaFour dBase III DBMS.
- Implemented transition to SCO Unix-based proprietary (Progress 4GL) accounting and manufacturing DBMS. Responsible for maintenance and daily operations of all computing machinery, including MS-based Windows PC's.

2 Skillsets

2.1 Compucentric

- Operating systems
 - Fluent in the installation, configuration, and maintenance of these operating systems:
 - Linux (Red Hat Enterprise Linux, Debian)
 - Unix (NetBSD, OpenBSD, FreeBSD)
 - OS/2
 - Familiar with the operation and maintenance of these operating systems:
 - Solaris
 - SCO Unix
 - SGI Irix
- Structured Document Systems
 - Fluent in the use of these structured document systems:
 - DocBook: SGML, XML, Website
 - DebianDoc
 - LaTeX: AucTex, LaTeX2HTML, Lyx
 - AFT (example: this document)
 - Zope BackTalk
 - Emacs/PSGML
- Content Management Systems
 - Experienced in the configuration and use of these Content Management Systems (“CMS”):
 - Zope CMF
 - Plone
 - Scoop
 - Drupal
 - WeBlogs:
 - Movable Type

- Bloxom
 - Pybloxom
 - NanoBlogger
 - Newsbruiser
- General Networking and Security
 - Adept at the installation and configuration of most common TCP/IP network services and daemons, including mail, news, time (ntp), http (Apache), ftp and SSH.
 - Experienced in the use of several basic firewalling techniques, including the IPFilter package found on most BSD systems, and the Netfilter implementation found in the Linux kernel.
 - Set up and use the Snort IDS (intrusion detection system), and the Shorewall Linux firewall utility.
 - Can tunnel via SSH such services as POP and VNC.
 - Know the Juniper Networks NetScreen-25 firewall appliance, and the GnatBox firewall package.
 - System Administration
 - Experienced user of the C language tool-chains used by Unix and Linux. I can test builds and debug C and C++ programs.
 - Shell scripting, cron jobs, other routine admin chores.

2.2 Generalist

- Can tailor the English language for particular situations and audiences. I have experience fine-tuning communications in diverse work settings, including technological, academic, and social services contexts.
- Background in dealing with people from all facets of the community, including people who merit to varying degrees the label “difficult.”
- Have spent a good deal of time in ordinary business settings, and I know how people in business ought to comport themselves.

2.3 Credentials

- Paid Google Researcher
- Licensed Mental Health Counselor, MA Lic. #389 (expired)
- Certified Addiction Specialist (“CAS”) (expired)
- Certified Land Survey Chief of Party, MA Dept. of Public Works

3 Education

3.1 Schools Attended

- Worcester Polytechnic Institute
- Massachusetts Institute of Technology
- Boston University
- Northeastern University
- Rhode Island College
- Boston Graduate School of Psychoanalysis

3.2 Degrees

- Rhode Island College BA, MA