

**Fabrice Guérini**  
**IT Consultant**  
842 Portwalk Place  
Redwood City, CA 94065-1818  
Tel: (650) 280-6823  
Fax: (650) 592-0200  
*fabrice@ieee.org*

## IT Services

I specialize in providing the following services to my clients:

- Architect and build UNIX-based infrastructures from the ground up
- Setup of LAN/WAN and configuration of firewalls
- Maximum automation of monitoring and routine tasks, with extensive use of scripting (Bourne, Perl, SQL, CGI)
- Seamless integration of Windows and UNIX domains (single sign-on, file sharing, etc.)
- Multi-platform systems administration, operating system tuning, upgrades, patch applications; backup recovery planning and execution; system event monitoring; space management & capacity planning
- Determine and implement backup requirements
- Setup of naming services setup (LDAP, AD, DNS, NIS)
- Draft and edit systems documentation and policies

## Core Skills

- UNIX systems administration expertise, managing Linux, Solaris, AIX, etc. since 1989
- Heterogeneous networks integration (multiple UNIX flavors with Windows & MacOS)
- Strong knowledge of Internet protocols (LDAP, DNS, NFS, NIS, FTP, Sendmail/SMTP, DHCP, Samba/CIFS, etc...)
- Proficiency in multiple languages (Perl, JavaScript, HTML, Shell, C)
- Web design and CGI programming experience since 1994
- M.S. degree in Computer Science

## Consulting Projects

---

The following assignments were performed on a consulting basis.

### **Weidlinger Associates, Los Altos, CA** (*www.wai.com*)

**June 1996 - present**

- Multi-platform system administration (including Solaris, Linux, IRIX, HP-UX, & Windows); Study, proposal, installation & configuration of new Linux server infrastructure rollout (migration from Solaris); Integration of UNIX and Windows domains (Active Directory to LDAP translation, DNS replication, single sign-on); Software and operating system installation (automatic SuSE install via Auto-YAST); Configuration of subsystems (NIS, DNS, LDAP, Sendmail, NFS, Samba, NTP); Backup policy configuration, implementation, and monitoring (Veritas NetBackup, BackupExec, Retrospect, and standard ufsdump); Network and systems monitoring (Big Brother, Ganglia, MRTG, SNMP); Administration task automation (shell & Perl scripting); Creation of central CVS repository for network-wide configuration files (using Cfengine); Firewall & proxy server installation and configuration; Installation of OpenPBS cluster batch queueing system; Writing of IT documentation.

### **Catapult Communications, Mountain View, CA** (*www.catapult.com*)

**April 2001 - October 2002**

- Installation and configuration of an international, multi-site virtual private network based on Netscreen VPN equipment; Collaborated with IT managers at each site to synchronize the configuration and company-wide usernames/userids, and to propagate and replicate a distributed naming service (NIS, LDAP); Installation of a 1/2 TB Sun fileserver; Sendmail configuration for a multi-domain mail server.

### **Globalpress Connection, San Jose, CA** (*www.globalpresspr.com*)

**October 1999 - October 2002**

- Redesigned existing web site, adding new sections and menus, inserting new graphics and generally cleaning up the look of the site; Created registration forms using CGI, Perl and MySQL; Trained in-house staff on web site maintenance using Dreamweaver.

## Other Clients

Unity Church, Palo Alto ( <i>www.unitypaloalto.org</i> )	Oct. 1997 - Oct 2000
Aurigin, Cupertino ( <i>www.aurigin.com</i> )	Sept. 1997 - June 2000
Centerpoint, San Jose ( <i>www.centerpoint.com</i> )	Aug. 1999 - January 2000
Silicon Valley Shelving, San Jose ( <i>www.svseq.com</i> )	Nov 1996 - January 2000
Quantum Corporation, Milpitas ( <i>www.quantum.com</i> )	Aug. 1998 - Sept. 1999
Whole Tomato Software, Capitola ( <i>www.wholetomato.com</i> )	Oct. 1997 - Apr. 1999
CANEC, San Carlos ( <i>www.canec.org</i> )	Sept. 1997 - March 1998
Parallax Graphics, Santa Clara	May 1996 - June 1996
Whistle Communications, Foster City	May 1996 - July 1996
Sun Microsystems, Mountain View	Sept. 1995 - Apr. 1996

## Employment Experience

---

### **Blue Martini Software**

Senior Operations Engineer

**San Mateo, CA**

Sept. 2001 - Sept. 2002

- Responsible for the AIX infrastructure, network installation management, configuration and troubleshooting
- Improved the automation of the IT processes using Perl scripts for system status monitoring, quota checking, log file processing, etc.
- Configured and customized the Big Brother monitoring system
- Managed the Solaris JumpStart infrastructure for unattended installs
- Reconfigured and customized Sendmail 8.11 to be more secure and pass messages to virus filtering software
- Built a graphical user-locating system using building maps, CGI forms and LDAP queries
- Managed Veritas NetBackup UNIX backup system
- Trained junior system administrators on a weekly basis

### **iSharp**

UNIX Technical Lead / IT Architect

**Redwood City, CA**

Apr. 2000 - Feb. 2001

- Provided leadership for a 3-person team of UNIX system administrators
- Built the UNIX server infrastructure for the company from the ground up
- Maintained a WAN composed of 3 sites and multiple remote offices
- Installed and managed a network of 6 co-location sites around the country, using 2 providers for redundancy; defined standard processes to allow hands-off installation
- Created the initial corporate-wide intranet structure
- Installed and configured core services such as DNS, NIS, NFS and Sendmail
- Automated replication and change tracking of network databases company-wide using Perl scripts and CGI forms

### **Pure Software**

Webmaster & Corporate Networks Manager

**Sunnyvale, CA**

1994 - 1995

- Built a world wide web server to disseminate information throughout the company, providing a consistent interface across all platforms. (This was an intranet before the word intranet was invented)
- Developed sophisticated scripts to search data files and provide a user-friendly interface to the data (employee directory, request status, e-mail aliases, newsletters, etc.)
- Managed the router configuration for the whole company, and maintained the e-mail, DNS, NIS, NFS, SLIP and FTP configurations for remote offices
- Implemented switched Ethernet for increased bandwidth in R&D
- Added FDDI backbone as inter-building link

Senior System Administrator

1992 - 1994

- Grew the company infrastructure from a 16-SPARCstation Ethernet to a 200+ node worldwide operation, backing up 100+ GB of data, over 5 hardware platforms and 8 different operating systems
- Supervised a team of 3 sysadmins to provide quality user support
- Developed a trouble-ticket system available to all users over e-mail and later via web
- Connected the site to the Internet, configuring SMTP, DNS and FTP access
- Installed European office and provided networking to corporate HQ over a leased line
- Provided ISDN solution for connection of telecommuting individuals
- Managed the installation, maintenance and administration of UNIX systems and third-party software
- Developed system administration policies and tools for more efficient UNIX management (system resources and disk monitoring, network load monitoring, etc.)
- Interfaced with vendors to evaluate, procure and implement new software and hardware products

### **Schlumberger, ATE Division**

Systems & Network Administrator

**San Jose, CA**

1989 - 1992

- Operated a heterogeneous subnet of 60 computers within a network of 400+ nodes (Suns, Windows, Macintoshes, VAXens)
- Managed and documented TCP/IP network running NFS, NIS, DNS, UUCP and Usenet
- Installed operating systems and third-party software packages; Provided support to and trained SunOS users
- Maintained user accounts and backed up mass storage; Automated routine tasks with Bourne Shell scripts
- Database administration (INGRES RDBMS) and SQL programming
- Created application software releases, oversaw source control and defined installation procedures

Software Engineer

1988 - 1989

- Maintained and enhanced current software products (in the domain of automated test equipment)

- Assisted with administration and maintenance of computer systems
- Resolved software change requests, worked with customers, application engineers and customer support engineers to identify and fix known software problems
- Developed and automated regression test cases
- Promoted portability of programs between VAX/VMS and Sun/UNIX

## Education

---

**UCSC Extension:** Graphic Design

**Stanford University:** Honors-Coop Graduate Program

**E.N.S.I.M.A.G.** (France): M.S. Computer Science