

Daniel A. Nobuto  
ramune@net-ronin.org  
(415) 244-0866

## Objective

Looking for a position where my skills can be put to good use to help improve the quality and efficiency of the organization. As my experiences range from system administration, programming, quality assurance, technical support, to documentation, I enjoy working with many different organizations and individuals to get the job done and help promote a professional and friendly environment.

## Skill Summary

Note, a more detailed list follows the Work History section.

- UNIX Linux, FreeBSD, NetBSD, Solaris
- Windows 2k/ 2k3/ XP
- Mail sendmail, exim, SunJMS, Openwave Email Mx, SMTP
- Databases PostgreSQL, MySQL, SQL
- Programming C, Prolog, Perl, Shell scripts
- Documentation DocBook XML/ SGML, HTML/ XHTML, L<sup>A</sup>T<sub>E</sub>X
- Web Apache, PHP, HTTP, Squid
- Security IP360, Firewalls, Code/ system audits, Exploit analysis

## Work History

**October 2006 - Current**  
**Senior Security Associate**

**Stach & Liu**

**Tempe, AZ**

- Security audits and forensic analysis for multiple clients
- Operational security reviews and recommendations
- Creation of security policies and standards for corporate guidance
- Code reviews and programming best practice reviews for security issues
- Management of secure infrastructure for internal use

**November 2004 - October 2006**  
**QA Engineer**

**Cloudmark**

**San Francisco, CA**

- Cross-platform portability and security audits of C, C++, Perl, SQL, PHP, JavaScript, and shellscripts
- Managed various UNIX systems used by the QA team
- API, ABI, and SDK testing
- Time and space complexity analysis of algorithms
- Mentored members of the QA and Development teams

**January 2003 - October 2004**  
**QA Engineer**

**nCircle**

**San Francisco, CA**

- Build system development for the core product
- Development for main product, IP360
- QA activities, including debugging OS and ACPI AML interactions on shipped hardware
- Code auditing and security testing of company product
- File-by-file license audit of all third-party code included in the product

**February 2002 - June 2002**  
**Volunteer**

**ACCRC**

**Oakland, CA**

- Helped build 200-node supercomputing MOSIX cluster
- Restored vintage computers to working condition

**November 2001 - June 2002**  
**QA Engineer**

**Qualys**

**Redwood City, CA**

- Product testing for correctness and stability
- Administered internal UNIX and Windows systems
- Development for the QualysScan embedded appliance code
- Kernel-level profiling and bug fixing for the appliance
- Created internal documents for QualysScan product

**January 2000 - April 2001**  
**System Administrator**

**Taos**

**Santa Clara, CA**

- Maintained mail, DNS, and NTP services for tens of thousands of systems
- Engaged in customer relations monitoring and feedback gathering for operational feedback
- Performed security and performance monitoring, tuning, and reporting
- Managed backups for several thousand systems via NetBackup and Networker products
- Served on-call as a senior IT representative for emergency work

**Prior**  
**Jr. System Analyst**

**California State University,**  
**Los Angeles**

**Los Angeles, CA**

- Managed sendmail and anti-spam infrastructure
- Set up and maintained Solaris shell servers
- Responsible for managing all MacOS systems on campus
- Handled student account creation and management
- Custom tool creation to enable legacy systems to provide additional services

## Skills

Skills with high proficiency are against a gray background, skills with some level of familiarity are against a white background.

<b>Operating Systems</b>			
Linux	AIX 4.3.3	Free/ Net/ OpenBSD	Solaris/ SunOS 4.x
Windows	IRIX	BSDI	SCO OpenServer
HP/ UX	Mac OS	OpenVMS	Secure Computing SecureOS
<b>Programming Lanugages</b>			
sh/ ksh/ bash	C	Prolog	x86 Assembly
sed	awk	m4	Perl
SQL	PHP	C++	JavaScript
<b>Development Tools/ Standards</b>			
CVS	noweb	ELF/ COFF/ a.out	BSD and SysV make
gcc/ g++	Electric Fence	gmon/ prof/ gprof	splint/ rats/ valgrind
gdb/ adb/ dbx	SUSv3/ POSIX	oprofile/ perfmon	truss/ ktrace/ strace
ht/ elfsh	lex/ yacc	git	Visual Studio .NET
Sun ONE Pro	Bugzilla	BitKeeper	GNU autotools
<b>Security</b>			
iptables	IPSec/ VPNs	nCircle IP360	tcpdump/ ethereal/ snoop
UML jails	queso/ nmap	x86 shellcode	Code/ system auditing
nessus	SQL injection	ssh/ sudo/ PAM	Qualys IntranetScanner
SASL	Digest algorithms	SSLv2/ SSLv3/ TLS	X.509 certificates
<b>Commercial Apps</b>			
SunJMS	Remote Desktop	Sidewinder G2	Openwave Email Mx
PDC Budtool	Legato NetWorker	Veritas NetBackup	Openwave AnitAbuse Gx
IDA	Lucent QIP	HP OpenView	Astra LoadTest
VMWare	MS Office	MS Exchange	Remedy ArUser
MS IIS	MS SQL Server	Trend Microscan	Veritas BackupEXEC
<b>Services/ Daemons</b>			
Privoxy	sendmail	PostgreSQL	OpenSSH/ ssh.com
Apache	Squid	exim	OpenLDAP
mathopd	ntpd	netatalk	ISC BIND
NFS/ NIS	CVS pserver	Spam Assassin	LPRng/ lpd/ lpsched
Oracle	rsync	wu-ftp/ vsftpd	X Window (xfs/ xdm/ xpvt, etc.)
Samba	qmail	MySQL	
<b>Protocols</b>			
HTTP	DNS	POP3	SMTP
IRC	FTP	AUTH (identd)	TCP/ IP/ UDP/ ICMP
LDAP	SASL	PPP/ LCP	NIS/ NFS
<b>Hardware</b>			
x86 PCs	IBM RS/6000	Macintosh	SPARC systems
StorageTek	VXA/ AIT/ DLT	SGI systems	
<b>Other</b>			
L <sup>A</sup> T <sub>E</sub> X	HTML/ XHTML	Computational Theory	Literate programming
XML/ SGML	Compiler theory	Propositional logic	$O(n)/ o(n)$ analysis
WINE	Speaks Japanese	Database theory	Cloudmark Gateway products
asciidoc	gnuplot	BOCHS/ qemu	DocBook/ DSSSL

References available on request.