

# Vadim Vygonets

## Curriculum Vitae

### Contact info

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### Experience

#### *Areas of Expertise:*

Unix system programming, scripting, installation and administration. Project builds, Makefiles, version control systems. Network design. Network infrastructure, routers, firewalls, NAT.

#### *Programming and Scripting:*

C (K&R, ANSI), C++, lex, yacc, ANS Forth, 8086 Assembly, Perl, PHP, awk, Bourne shell, C shell.

#### *Operating Systems:*

AIX, BSDi's BSD/OS 2.1-4.3, Digital Unix (now COMPAQ Tru64 Unix), FreeBSD 4.0-4.8, HP/UX, IRIX 5.3-6.5, Linux 1.2-2.6, NetBSD 1.4-2.1, OpenBSD 2.2-4.3, Plan 9, Solaris 2.5-10, SunOS 4.1.

#### *Network Services:*

*Firewalls/NAT:* Cisco PIX, CheckPoint FireWall-1, IPFilter, OpenBSD pf, Linux iptables. *Load ballancing/HA:* LinuxHA, CARP. *Web:* Apache 1.3/2 (virtual domains, PHP3/4, MySQL, PostgreSQL, SSL, WebDAV), Netscape server. *E-mail:* sendmail, exim, qmail, POP3, IMAP4, mailing lists. *USENET news:* INN (NNTP, UUCP). *DNS:* BIND 4/8/9, djbdns. UUCP, NIS, NFS, amd, lpd/lpr, FTP, Samba.

### Employment

2007 to 2008:

*Radware:* Development, integration

Unix systems programming, scripting, building, integration, delivery, packaging. Part of the Insite 5 management business unit. Developed the CLI (C on Unix). Implemented job control, piping and shell built-ins, improved terminal handling, rewrote most commands. Integrated between Linux, Oracle DB and Java-based product on the appliance. Designed and implemented a build system using make, Ant and Maven. Implemented upgrade procedure.

2006:

*Formula Telecom Solutions:* Configuration management, packaging, scripting.

Building, packaging and deploying the software product. Setting up and maintaining build and test environments. Worked with Solaris, HP/UX; Makefiles, Perl, awk, C shell.

2004 to 2006:

*iMesh Ltd.:* Unix Server administration, scripting.

Installing, upgrading and maintaining the company's servers. Worked with Linux (Debian, RedHat/Fedora/CentOS), load ballancing and high availability (LinuxHA, Ultra Monkey), TUX, Apache, proprietary daemontools-based services.

2004 to 2005:

*T.N. Traffic Ltd.:* Unix System and network administration, scripting, security, user support.

Installing and maintaining the company's servers. Re-designing and upgrading office infrastructure. Supporting internal users. Worked with Debian Linux, OpenBSD, Apache, Postfix, OpenVPN and SSH tunnels, Cisco Catalyst switches, Cisco PIX, OpenBSD pf packet filter, Linux iptables, CARP.

2001 to 2003:

*School of Engineering, Hebrew University of Jerusalem:* Unix System administration, scripting, programming, user support.

2000 to 2001:

*Consultant:* Network design, Unix system administration, programming.

Clients included Intel Network Group of Jerusalem, Ness Technologies, Airport Authority of Israel, Israeli Ministry of Employment, XChain Ltd., GoldFire Ltd., Saiki-Tech Co. Ltd. (Japan), Volcani Institute.

1997 to 1999:

*Institute of Computer Science, Hebrew University of Jerusalem:* System administration, programming.

### **Contributions**

- Ported SSH 1.2.26 and OpenSSH 1.2–2.3 to BSD/OS 3.1–4.1 (adding BSD authentication). The port is listed in the Reed Media's *BSD Resources* Security Software page.
- Developed a suite allowing BSD/OS users to build custom installation floppies.
- Contributed patches to OpenBSD, BSD/OS, Exim and other software.
- Participated in several professional mailing list (`exim-users`, `bsdi-users`, `linux-il`). Contributed to the Unofficial BSD/OS FAQ list.
- Contributed to the OpenBSD ports project (porting software to OpenBSD 2.2–2.4).
- Maintained software packages for Debian GNU/Linux releases 1.0–1.3.
- Wrote for the English Wikipedia in areas related to DJing and computing. Substantially expanded articles "DJ mixer" and "Minimal techno".