

# Chris Travers

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## Summary

A solid researcher with good hands-on experience in system integration, software design and development, systems engineering and administration, and networking. A quick study who can pick up new technologies with ease and communicate advanced concepts clearly to non-technical individuals.

## Consulting Projects

**Replic-Art:** Locale-specific Enhancements for SQL-Ledger. Ongoing

- SQL-Ledger is a Perl/CGI accounting program released under an open source license.
- Developed several usability enhancements for tracking project expenses and revenue.
- Migrated SQL-Ledger to a new hosting provider.
- Provided customizations necessary for complying with Greek tax reporting requirements for services businesses.
- Ongoing work includes customizations necessary for complying with Greek tax reporting requirements for retail and wholesale businesses.

**Orondo Cider Works:** Point of Sale enhancements for SQL-Ledger. Ongoing.

- Added support to SQL-Ledger for point of sale hardware such as receipt printers, pole displays, cash drawers, etc.
- Designed, built, installed, and configured Linux on the registers and server, including a remote X session on one system.
- Provide ongoing administration and support for the system.
- Developed custom reports, and integrated these with Microsoft Excel.
- Trained the owners of the store in the use of the software.
- Ongoing work includes integrating with portable data terminals,
- Ongoing work includes integrating with credit card payment gateways.

**Riverwalk Books:** Internet cafe and wireless access setup and security. March 2005.

- Migrated a single-use computer from Windows to Linux.

- Built firewall for the network which prevents public computers from accessing business systems.
- Setup two Windows XP systems as internet terminals (fee based on time).
- Set up Wireless access point.

**Ujima House:** Virtual Private Network Setup. October 2004.

- Installed and configured a virtual private network spanning four offices running a Windows Server 2003-based domain and Windows XP workstations.
- Used Fedora Linux Core 3 and OpenS/Wan to create IP-Sec tunnels spanning the locations.
- Provided extensive technical support for the VPN, the Server 2003 Domain Controller, and other software.

**Slaughaupt Insurance Agency** Administration and Maintenance. Ongoing.

- Migrated file and print server from Windows 98 to Fedora Core 3 Linux.
- Successfully resolved a number of very elusive reliability issues.
- Managed antivirus and anti-spyware installations.
- Technologies used included CUPS and CUPS-LPD, Samba, and others.

**RR Associates** Asterisk Telephone Switch Support. May 2005.

- Provided technical support for Linux networking on CentOS Linux 3.0.
- Resolved two issues regarding Asterisk and telephone call routing.

## **Degrees and Certifications**

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<b>The Evergreen State College</b>	Bachelor of Arts (General Education). June 1997
<b>Microsoft Certifications</b>	MCSE (NT4), MCSA (Windows 2000)
<b>Linux Professional Institute</b>	LPIC-2
<b>CompTIA</b>	A+, Inet+, Server+, Network+

## **Employment**

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**Microsoft Corp.** Technical Support Router. 08/2000-09/2003

- Resolved 10% of cases within 1/2 hr.
- Call center environment with customers ranging from students to developers and sysadmins from Fortune 500 companies.
- Supported technologies ranged from Services for UNIX to Visual Basic and from SQL Server and IIS to kernel-level API's for driver development.

- Was very much involved in competitive and product strategy discussions particularly regarding competition in the operating system market.
- On my suggestion, Services for UNIX was displayed at Linuxworld and won an open source product excellence award. This resulted in much positive exposure in traditionally hostile markets.
- Beta-tested Services for UNIX 3.0 and Server 2003.
- Discovered and reported a security vulnerability in Internet Explorer 5.0
- Provided technical assistance for strategists in determining how Samba, Services for UNIX, and Cygwin might be used live environments, and helped define weaknesses in each package.

***Basement Media (by contract)*** Network Engineer 02/2001-06/2001

- Implemented a network including systems running Windows 98, NT4, and Linux.
- Implemented production databases in PostgreSQL and MySQL.
- Maintained production and testing web servers using Apache and IIS 4
- Web developers saw a 200%+ increase in productivity due to these tools.

**Open Source Projects**

***FWReport***

Firewall Reporting for IPTables 02/2003-Present

- Small tool to help system and network administrators look for suspicious network activity.
- Target audience includes sysadmins, network administrators, and security professionals.
- Perl, fairly simple (400+ lines)
- Over 3400 downloads
- Mature– no new features planned.
- Available at <http://sourceforge.net/projects/fwreport>

***HERMES***

HERMES CRM Platform 03/2001-Present

- Complex framework for CRM development (application included)
- PHP-based, object oriented, moderately complex (20000+ lines)
- Target audience includes business tools developers and IT personnel.
- Simple Perl installer (500+ lines)
- Includes database abstraction and library model
- Includes authentication abstraction model.
- Experimental support for shared database accounts.

- Supports MySQL (Up to HERMES 0.3.0) and PostgreSQL (all versions).
- Available from <http://hermesweb.sourceforge.net>
- Over 3200 downloads

## **Software Skills**

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<b><i>OS</i></b>	Linux, Windows NT4 through 2003, Solaris, BSD
<b><i>Databases</i></b>	MySQL, PostgreSQL, Interbase/Firebird
<b><i>Languages</i></b>	C, Perl, PHP, SQL (ANSI and PostgreSQL based), Python, BASH, CSH, $\text{\LaTeX}$
<b><i>Integration</i></b>	Cygwin, Samba, Microsoft Services for UNIX
<b><i>Networking</i></b>	ISC DHCPD, BIND, TinyDNS, OpenSSH, MIT Kerberos, OpenLDAP, Jabber, Qmail, Postfix, Apache, IIS, OpenS/WAN
<b><i>Others</i></b>	SQL-Ledger, OSCommerce, Bricolage, Mambo, etc.

June 15, 2005