

# DOUGLAS E. WARNER

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## OBJECTIVE

I desire to work in an open environment that encourages collaboration and development of technologies that will benefit users.

I enjoy working in various roles such as Network Administrator, Systems Administrator, and Software Architect. I excel when challenged in multiple areas to develop products or services incorporating technologies from all of these areas.

## WORK EXPERIENCE

**Express Dynamics** Nov. 2005 – Present  
Business Engine Development Carlisle, PA

Software Architect

- Worked in Software Design and as the primary Systems Administrator to help optimize software and increase overall speed
- Developed business processes that allowed business to grow through initial startup period

**CTI Networks, Inc.** (d.b.a. PAdotNET) April 2001 – Nov. 2005  
ISP Mechanicsburg, PA

Network Engineer, Web Programmer, Database Engineer

- Implemented problem detection and notification system to maintain high availability of network routers and servers
- Maintained Routers and Network Access Servers (NAS) including a large OSPF network and BGP sessions to our upstream providers
- Technical Lead responsibilities included designing and implementing a PHP web interface for 10 websites of a multi-state ISP using a centralized MySQL database back end
- Developed an update caching system for our Linux server farm
- Installed and configured call center PBX, which includes a large VoIP network
- Designed Current DNS Management System to be scalable and easy to maintain
- Installed and Maintain Trouble Ticket / Knowledge Base system for various tasks including Abuse, Incident Response, and Tech Support
- Designed Internet Instant Message (IM) system to simplify intra-office communication

**NetMRG** November 2002 – Present  
Open Source Trend Monitoring <http://www.netmrg.net>

Lead Developer

- Designed Public Interface including setup of main web page for news distribution, user support forums, and download management system
- Setup CVS Repository for project tracking; later migrated to Subversion
- Redesigned User Interface, focusing on usability and features

**Virtual University** Fall 1999 - Spring 2000  
**Shippensburg University** Shippensburg, PA

Web Master/Designer

- Architected and implemented portal web site for multi-university distance education project
- Worked with Professors to develop online classrooms and determine appropriate content delivery mechanisms

## EDUCATION

**Shippensburg University** Fall 1998 - Spring 2002  
Bachelors of Science Degree Shippensburg, PA  
Computer Science Major

## SKILLS

Networking/Server Farm Administration  
Cisco IOS, Lucent TNT TAOS, OSPF, BGP, QoS

Linux Server Administration  
Red Hat, Fedora, CentOS, Gentoo  
Apache HTTP/HTTPS, MySQL, Bind DNS, SNMP,  
NTP, XMPP

PBX Administration  
Asterisk Integration, VoIP, SIP, IAX, H.323

Programming Languages  
PHP, Perl, Bash shell scripting, C/C++, Java

Proficient in Various Operating Systems  
Linux, Windows 9x/NT/2000/XP, Mac OS X

Web Design

- Specialized in Database Driven Websites
- XHTML, CSS, SSL, PHP, Perl, MySQL, and Javascript