

# Stephen J. Brown

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**Objective** Full-time employment as a Unix developer of distributed or networked systems  
**Experience** 2003-2004 Gold Standard Multimedia Yardley, PA

## **Developer**

- Development of a pharmaceutical clinical information and decision support product
- Development in C#, C++ and Perl using Oracle & SQL Server
- Database design using ER/Studio
- IPSec VPN administration
- Linux and Windows XP/2003 Server administration

2001-2003 Health Market Science Conshohocken, PA

## **Software Engineer**

- Development of custom data warehousing application on Linux and Win 2k
- Extensive use of Perl for data manipulation and conversion
- Development of custom data matching and cleaning software
- Use of Mysql, Oracle, Sybase, postgresql, SQL Server and custom data engines
- Programming (Perl, C/C++), web spidering, data mining, Address standardization
- Linux and Windows 2000 administration

2001-present Cube Technical Associates Royersford, PA

## **President, co-owner**

- Continuation of service to some Data Clarity clients
- 24x7 administration of Cube Tech and client's servers across east coast
- Limited custom development and system administration

1999-2001 Data Clarity, Inc. Abington, PA

## **Vice President of Technology**

- Roles of owner, manager, developer and administrator within Data Clarity
- 24x7 administration of Data Clarity and client's servers across east coast
- Lead developer and project manager for client projects
- Design, implementation and maintenance of client projects
- Programming (C/C++, Perl), web scripting (PHP, Perl) and web design (HTML, CSS, XML, JavaScript) for in-house and client projects
- Database design, administration and maintenance for in-house and client projects (MySQL, MS SQL)

1997-1999                      Self Employed                      Rochester, NY

**Independent Contractor (Developer & Administrator)**

- Worked as a Co-Op for Lynx System Developers, then as an independent contractor through the rest of college for Lynx System Developers and a few other clients
- Development of large-scale, distributed real time n-tier client-server applications
- Total life-cycle design, development of real-time data driven sports oriented web site <http://cyberscoreboard.com/> (part of <http://finishlynx.com/>) as a Co-Op and independent contractor, (C++, MS SQL Server, PHP, ColdFusion, Perl, Windows NT & 9x, Linux, IIS and Apache)
- Remote and on-site 24x7 maintenance of heterogeneous production servers, networks and databases for the Finish Lynx site and other clients

1997                                  Reality Online, Inc.                      Valley Forge, PA

**Co-Op (Rochester Institute of Technology's Co-Op program)**

- New programming and maintenance work on back end of mission critical, real-time news and financial trading services
- Web site integration of news and real-time financial data using HTML and Java
- Integration of back end daemons and databases with wire protocols of Reuter's, Knight-Ridder and ADP into website and streaming applications
- Research and evaluation of new technology
- 24x7 on call maintenance for production machines and software

**Skills**

- System and project design, object-oriented and procedural methodology
- Client-server programming with TCP/IP, CORBA and COM/DCOM
- C++, C, C#, .Net, Perl, PHP, Unix Shell, SQL programming
- MySQL, MS SQL Server, Oracle and Sybase databases
- Web scripting: PHP, Perl, Cold Fusion
- Linux security and system administration
- Network programming on POSIX and Win32 systems
- Multithreaded (POSIX, Windows) and multi-process programming (POSIX)
- Internet server construction and maintenance: email (sendmail, qmail, courier), web (apache), dns (bind), ftp (proftpd & wuftpd), custom firewalls, routing, xDSL connectivity (PPPoE), real-time communications (IRC & Jabber), Samba
- Extension programming for PHP4 and Apache (1.3.x and 2)
- Development under Linux, Solaris, Irix, Java, Windows NT, Windows 9x, 2k, 2003 and BeOS platforms
- Administration of Linux, Solaris, Windows (9x, NT, 2k, 2003 Server)
- XML, HTML, SGML, DocBook, LaTeX, Doxygen for documentaation
- UML for design work and documentation
- MFC, ATL and ADO/OleDb/RDO in C++ for Windows programming
- Microsoft Visual Fox Pro, Access, Visual Studio and Office
- GNU tools for C/C++ development (gcc, make, autoconf, automake, libtool, gdb)

**Education**

1994-1999                      Rochester Institute of Technology                      Rochester, NY

- B.S. in Computer Science, with Honors
- 3.42 / 4.00 GPA
- Networking and Systems Software concentrations