

Daniel M. Sharp
3865 Whistler Road
Steamboat Springs, CO 80487

(970) 672-0337 (phone)
dan@sharpinternetsolutions.com

(206) 337-1398 (fax)
www.sharpinternetsolutions.com

Objective	I am seeking consulting or contract projects in software design and implementation, web application development and deployment or system/architecture design in an exciting and challenging work environment that supports full-time telecommuting and encourages creativity, personal initiative, and hard work.
Education	Tufts University, Cambridge, MA (1999-2000) Pursued Masters Degree in EE/CS. Cumulative Average: A. Amherst College, Amherst, MA (1991-1995) Graduated Magna Cum Laude with a B.A. in Computer Science, May 1995. Wrote thesis on Multistrategy Learning Systems. GPA: 3.25/3.81 (Overall/In Major) Andover Academy, Andover, MA (Summer 1989) Studied Basic Electronics and English during six-week summer enrichment program. Cumulative Average: A- Steamboat Springs High School, Steamboat Springs, CO (1986-1990) Graduated Salutatorian with 4.19 GPA (weighted 4-point scale)
Skills	Areas Of Interest And Expertise: Web Frameworks, Web Application Programming, Web/Application Architecture Design & Development, Web 2.0 Design, Strategic/Business Design & Planning, Web Design & Layout, eCommerce Systems Design & Development, Ruby on Rails Technologies, Java Programming, PHP Programming, Java Servlet/Portlet Development, Database Programming/Design, Graphic Design, Client/Server/n-tier Development, Security, CORBA, Distributed Computing, Collaborative Computing, Graphical Applications and User Interfaces, Scripting, CGI Programming, Multimedia Productions, Image Processing, AI Programming In-Depth Knowledge Of: <i>Languages:</i> Ruby, PHP, Perl, HTML, DHTML/CSS, JavaScript, JS Libraries, Java, JSP, JFC/Swing, Crypto/Security/X.509, RMI, Jini, Servlets, JDBC, Beans, EJB, C++, C, SQL, CORBA, LDAP, and Pascal <i>Architectures:</i> Ruby on Rails, Linux, Free/OpenBSD, Mac OS X, PC (95/98/ME & NT/2000/XP/Vista), Sparc, VAX/VMS, and other Unices, Vignette CMS, iPlanet, IIS, Apache, mod_rails, Tomcat, Mongrel, Lighty, Samba, NFS, TCP/IP, HTTP, HTTPS, SSL, and OOD <i>Programs:</i> TextMate, Most Mac Software, git, SVN, Capistrano, Eclipse, MyEclipse, Microsoft Dev Studio (VC++, VJ++), All MS Office Apps, All Corel Office Apps, Most Adobe Apps, Most Macromedia Apps, Flash, DreamWeaver, FrontPage, NetObjects Fusion, Rose, Visio, ERwin, LaTeX, Emacs/Xemacs, VI, VPN, MySQL/mSQL, Qmail, BIND, JRun, Café/Visual Café, Java Workshop, JBuilder, Forté and NetBeans Familiarity With: <i>Languages:</i> J2EE, Portals/Portlets, Flash/Shockwave, ActiveX/ASP/.NET, Tcl/Tk, XML, iCalendar/.ICS, vCard, SmallTalk, Prolog, Lisp, Ada, Fortran, Scheme, Assembly, Cobol, Logo, Tex, Basic and UML <i>Architectures:</i> Operating System Level Programming on Mac, PC, Sparc, HP-UX, and Linux/BSD <i>Programs:</i> Oracle, DB2, Access, PostgreSQL, ODBC/JDBC, CVS/Subversion, VSS, FileMaker, MS Project, Ghostview/script and Clarisworks Personal: I am an active person who enjoys new challenges. I am able to learn new skills very quickly and easily. The majority of the skills listed above were self-taught. I work well with others as well as on my own. I have had experience working with small to medium-sized teams as well as leading teams. I particularly enjoy taking on new projects and seeing them through to completion.

References available upon request

Employment

December 2005 - Present: Sharp Internet Solutions – *Web Design & Custom Web Application Development*

Continued full-time expansion of web services company, with greater focus on custom web application development and deployment. Significant focus on Ruby on Rails technologies for complete, end-to-end database-backed web applications. Created two start-up companies using Rails technology: **Xprove, Inc.**: www.xprove.com and **adsOOH, LLC**: www.adsooh.com. Expanded repertoire of internet technologies for web site development.

September 2003 – November 2005: Novell – *Lead Technical Engineer*

Worked across multiple departments on multiple large-scale projects. Built solutions using industry-standard tools, such as Java Servlets and Portals. Provided support and ongoing development. Project details include: **NVT (Novell Virtual Terminal)** – Worked as Lead Architect and Developer to design, implement and deploy a single web-based framework and solution for processing online financial transactions. Successfully deployed and utilized across multiple divisions within the company, reducing redundancy and saving costs. **Ximian to Novell Transition** – Worked to facilitate the transition of web tools and content from Ximian to Novell. Provided support for the transition of the Ximian online store to Novell. Helped redesign and repurpose Ximian content and tools for Novell's web sites.

My Account – Worked to architect and develop a single-view solution for customers, partners and employees. Designed a web-based interface for collating and managing all customer information, tools, and services within a single Portal view. Implemented first-stage solution using Java Portal & Portlet solutions.

Content Management: Translation Toolkit – Built a Java toolkit for managing automated content translations via the Vignette content management system and a 3rd-party translation service.

July 2002 – September 2003: Ximian – *eCommerce Engineer and Web Application Programmer*

Worked for small start-up Linux product company, providing eCommerce solution management and Web development and support.

eCommerce "The Store" – Managed and enhanced custom-built eCommerce package for selling software products, support licenses and promotional materials. Tools utilized: PHP and Perl.

Internal and External Web Sites – Provided primary application development and support for internal and external (customer-facing) web sites. Developed application and delivery framework based upon Smarty, a PHP-templating system. Provided support for general web development issues and fixes.

April 2001 - Present: Sharp Designs & Sharp Hosting – *Web & Internet Design, Programming and Hosting*

Continued full-time web design, custom internet-based programming, application/database development via self-started company. Increased web hosting support, including Linux administration. Added custom networking (wired and wireless). Incorporated custom programming and software development. Added hardware sales and support. Built full-capability e-commerce solutions, both commercial and custom-built. Extensive development via PHP and MySQL in a variety of web-based application solutions.

July 2000 – April 2001: Scient – *Lead Developer and Applications Architect*

Worked with Fortune 500 companies architecting web solutions for financial, retail, and healthcare-related projects. Designed database solutions, application architectures and web wireframes for companies such as State Street, Chase Manhattan, Genzyme, and Buy.com. Worked as mentor for new employees in areas of programming and application architecture. Project details include:

Genzyme: eBusiness Assessment Project – Worked as Applications Architect and technology representative investigating current systems and processes, evaluating eBusiness readiness, and recommending changes and processes toward implementing eBusiness solutions.

Buy.com: Backend Redesign Project – Worked as Applications Architect to investigate backend order processing and management systems and processes. Interviewed and analyzed multiple top-tier vendors. Constructed a detailed Vendor Capabilities Matrix and cross-referenced it against gaps and opportunities for the client. Provided a detailed technical analysis/recommendation for re-architecting the backend systems.

State Street: Internet Initiative – Worked as acting Applications Architect and Web Developer helping the client to investigate and design a new customer-centric Internet Portal. Provided technical expertise, database analysis and security assessment throughout the initiative.

Chase: New Online Payments Initiative – Worked as Team Lead in developing an online payment system for Chase. Provided mentoring and support to a small team of J2EE developers. Managed installation and

configuration of custom reporting solution.

July 1999 – June 2000: The MITRE Corporation – Corporate Intranet/Extranet Development & Support

Supported internal application suite as part of corporate Intranet. Built custom Extranet utilizing Java Servlets, Perl, LDAP, HTML/XML & X.509 PKI. Extranet functionality included customized auto-registration, dynamic administration toolkit, collaboration, and document sharing. Leveraged multiple commercial products, including Netscape's iPlanet and Netegrity's SiteMinder. Initial support of in-house workflow application. Provided Java/Perl/Linux mentoring to other staff/co-ops.

January 1998 – Present: Sharp Designs – Web Site Design & Maintenance

Started company to design and develop web sites for individuals, small businesses and large businesses. Focused efforts on 3rd generation design/layout, e-commerce, advanced CGI & multimedia development.

June 1997 - February 1999: Concept Five Technologies, Inc. – Security in Distributed Systems

Lead development of Java version of CORBA Security architecture and implementation (CORBA Sec Level 2 Compliant). Created GUI interfaces, back-end services/systems, and extensions to existing ORBs.

August 1996 – June 1997: Concept Five Technologies, Inc. - Collaborative Technologies Directorate

Developed Client/Server applications to support real-time collaboration using Java and CORBA. Also developed online web services and provided general web consulting and training.

January 1996 - August 1996: Mitretek Systems, Inc. - Collaborative Technologies

Developed initial prototype of Java-based real-time collaborative system. Created and maintained online training and documentation services. Served as POC for Java and HTML questions.

July 1995 - January 1996: The MITRE Corporation - Information Security Division

Worked on porting digital signature code to laptop/SmartCard architecture. Built custom online services, such as a personalized home-page maker and a company-wide online survey. Provided UNIX system administration for Division server. Provided Web Master services for Division server. Served as Department POC for HTML questions and training. Built Java-based real-time financial trading application.

Activities

Current:

I enjoy a number of activities and hobbies, particularly related to computers and the outdoors. These include biking, hiking, camping, skiing/snowboarding, rollerblading, skeet shooting, hunting and most sports. I also enjoy learning alternate OSes (Linux, BSDs, etc.), building home networks, learning new computer skills/languages/architectures, and being the family "computer guy." And, of course, my newest "hobby": my growing family including my son, Caleb and my daughter, Emma.

Amherst College:

Computer Center Supervisor, Teaching Assistant in Beginning Programming Course, Math and Computer Science Tutor, Varsity Ski Team, Fencing Club, Karate Club, Ultimate Frisbee Club, A Cappella Singing Group, WAMH DJ (College Radio Station), InterVarsity Christian Fellowship.

Steamboat Springs High School:

National Honor Society, Speech and Debate Team, Student Council, Varsity Football (All Conference Center), Spanish Club (President), International Relations Club, Junior Engineering Technical Society (President), Youth Group, Jazz Band, Marching Band.