

PETER BULL

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EXPERIENCE

WGBH Educational Foundation
Boston, MA

December 2006 - Present

Rich Media Web Developer (December 2006 - Present)

- Responsible for developing tools and workflows for users of varying technical abilities to encode and publish audio and video content to the web, for on-demand streaming and podcasting.
- Maintain and administer 24/7 live radio streams for WGBH 89.7 FM, All-Classical HD2, and WCAI/WNAN.
- Provide monthly reporting and analysis of traffic to web media content.

Lowell Telecommunications Corporation (LTC)
Lowell, MA

September 2004 – December 2006

IT Project Coordinator (September 2005 – December 2006)

- Developed software, web services, and internal workflows used to encode video content for cablecast, archival, and web streaming in a PEG (Public, Educational, and Government) Access facility.
 - Integrated a digital video (MPEG-2) server into playback operations and successfully launched a new Public Access cable channel (LTC 95). Two additional Public and Government channels are currently being migrated to the system.
 - Created a system to encode live government meeting coverage for automatic compression, archival, and publishing of video files for web streaming.
 - Developed software to communicate with multiple internal databases to generate and publish TV channel guide data via RSS.
- Re-launched the formerly static LTC website as a Drupal-based community site (<http://ltc.org>), incorporating the ability for members and staff to publish content, tying the system into external data sources for up-to-date content, and adding live and archived streaming video.
 - Technologies: HTML, CSS, JavaScript, Apache, PHP, MySQL, Drupal, WSH, VBScript, shell scripting, MPEG-2/4, ffmpeg, QuickTime Pro, RSS
- Responsible for the management and administration of a Windows 2000 Active Directory environment, as well as the maintenance of 40+ staff and public lab computers, in a mixed environment of Windows XP Professional and Mac OS X (10.3/10.4).
- Coordination of the Lowell News Archive, a project that involves digitally archiving 20 years of local news programming and storing the relevant metadata in a searchable database with a web-based front-end.
 - Ongoing training and management of high-school and college interns.
 - Integrated a hardware and software-based encoding solution.
 - Developed a Drupal-based website for metadata entry and management.
 - Technologies: MPEG-2/4, MySQL, Drupal, AJAX
- Creation of curriculum, and teaching of classes in Web Design (Dreamweaver), Digital Photography, and Safe Computing Practices.
 - Classes are open to the LTC membership as well as the general public.
 - Teach one-on-one training sessions in HTML, CSS, Photoshop, and basic PHP scripting.
- Ongoing consulting for PEGSpace (<http://pegspace.org>), a project aimed at assisting PEG (Public, Educational, Government) Access centers in using the Internet to further the mission of community media.

AmeriCorps VISTA, Online Community Developer (September 2004 – August 2005)

- Lead the development of the DigitalBicycle project, a peer-to-peer system for distributing broadcast-quality video content between Public Access television stations.
 - Developed a Drupal-based website for the PEG Access community to share video content using an integrated BitTorrent tracker.
 - Developed and publicly released the Creative Commons module for Drupal 4.6
 - Authored the functional and technical specifications for Sprocket, an open-source client-side publishing tool
 - Technologies: Debian Linux, Apache, PHP, Python, MySQL, Drupal, MPEG-4, BitTorrent, RSS

BBI Systems, Inc. (formerly Blue Barn Interactive)
New York, NY

June 2000 – September 2004

Web/Application Developer (January 2002 – September 2004)

- Responsible for the full lifecycle design and development of customized web crawler applications, for the purpose of storing and analyzing the content of online message boards.
 - Technologies: C#, Visual Basic 6, MS SQL Server 7-2000, XML, XSL
- Lead the development of the Community Dialogue Collection system, part of BBI's Online Dialogue Interpretation/OpenHouse system.
 - Integrated web crawler technology as a Windows service
 - Developed a data extraction engine, GUI tools, and services for automated data processing.
 - Technologies: C#, MS SQL Server 2000, OLAP, XML, XSL
- Redesigned an internal billing and reporting system for the management of AOL's teen message board moderation when the existing system proved unable to scale efficiently.
 - System effectively handled upwards of 1.8 million new records monthly
 - Successfully expanded the system in November 2003 to handle additional data from AOL UK's teens and kids message boards
 - Technologies: Visual Basic 6, ASP, VBA, MS SQL Server 2000, MS Excel
- Customization of community chat and message board software for high-profile websites including Showtime Networks, MSNBC, and the City of Portland, Oregon.
- Development of data collection, parsing, and reporting utilities in the form of both web-based applications and client-side software.

Digital Assistant (June 2000 - January 2002)

- Front-end design, HTML, JavaScript, and ASP scripting for large-scale web development projects
- Graphic design for presentations and site mockups
- Development of Flash content for web and interactive CD-ROMs

Freelance Projects

- Corporate and nonprofit website design, development, and administration, with an emphasis on accessibility and cross-browser compatibility.
- Experience with ecommerce, integrating billing and inventory systems with Amazon storefront.
- Custom CMS development, including image upload/resize utilities and an email mailing list manager.
- Integration of web analytics using WebTrends and creation of custom reports.
- Logo design for print and web, promotional flyer design for local events.

EDUCATION

Ithaca College
Ithaca, NY
B.S. in Communications

September 1996 - May 2000

SKILLS

- Operating Systems: Windows NT4, 2000, XP, Server; Mac OS 9, OS X; Linux (Debian/Ubuntu, Redhat)
- Databases: MS SQL Server 6.5-2000, MySQL, PostgreSQL; OLAP and Microsoft Analysis services
- Software Development: C#.Net, VB.Net, Visual Basic 6, VBA, WSH, Python, XML, regular expressions
- Web Development: HTML/XHTML, JavaScript, CSS, DOM; Windows/IIS, Linux/Apache; ASP, PHP, perl
- Design: Adobe Photoshop, Illustrator, Flash
- Miscellaneous: Final Cut Pro, iMovie, Pro-Tools, Sound Forge; Troubleshooting and repair of PC/Mac hardware

PUBLIC PRESENTATIONS AND PANELS

- September 1, 2006 – Guest on "Thinking Out Loud" radio talk show discussing net neutrality, WUML Radio, University of Massachusetts, Lowell, MA
- July 6, 2006 – Presenter, "Digital Distribution and Open Source Tools", Connecting Communities, Alliance for Community Media 2006 Conference, Boston, MA
- September 29, 2005 – Panelist, "Broadband, Net-based, and HDTV Distribution Alternatives", Taking Liberties 2005, National Alliance for Media Arts and Culture, Philadelphia, PA
- July 7, 2005 – Panelist, "Digital Distribution: Building Youth Media Online", Alliance for Community Media 2005 Conference, Monterey, CA

- May 13, 2005 – Presenter, “Digital Bicycling”, Changing Tides, Alliance for Community Media Northeast Region 2005 Spring Conference, Falmouth, MA
- February 19, 2005 – Presenter, “Introduction to Videoblogging”, Northern Voice Conference, Vancouver, B.C.
- November 6, 2004 – Panelist, “Copyright & Creative Commons”, Alliance for Community Media Northeast Regional Fall Conference, Cambridge, MA

REFERENCES

Furnished upon request.