

Steve Pierce
Application Developer / Software Architect / Project Leader / Consultant
info@q-media.com / http://www.q-media.com

Summary of Technical Skills

- Project Management: Needs assessment, requirements gathering and communication with technical and non-technical parties and team management.
- Programming: Internet and intranet applications development, database design and programming, multimedia application development.
- Languages: Java, Python, Perl, PHP, Ruby, SQL, HTML, XML, JavaScript, et al.
- Technologies: Web server installation (including Apache and Tomcat), database installation and administration (MySQL), Unix system administration and shell scripting, Ruby on Rails, AJAX, web services and service oriented architecture (SOA).

Present Employment

British Broadcasting Corporation (BBC), London, UK (September 2007-present)

- Toolsmith project: Developing a package repository and build status system for software development projects across the BBC. Included in my role is promotion of best practices including test-driven development, continuous integration and agile methodologies.

Employment History

Dartmouth College, Hanover, NH, USA (November 2005-August 2007)

Curricular Applications Developer at Ivy League University in Northeastern USA

- Working closely with faculty to develop applications for use in teaching.
- Extensive experience with Ruby on Rails, also Flex, ActionScript, Perl, Python, SQL and web services.

Medical Metrx Solutions, Lebanon, NH, USA (freelance, Summer 2005)

Consultant and Lead Developer (<http://www.m2s.com/>)

- Introduced service-oriented architecture (SOA) to enable multiple applications on a single database.
- Managed middle-tier web services development and AJAX front-end.

Dometechnics, Hanover, NH, USA (2004 - 2005)

Technical Director (<http://www.dometechnics.com>)

- Managed software development project for start-up company dedicated to providing dynamic music soundtracks for video games and other interactive applications.
- Designed and implemented prototype application and worked closely with business managers to create a software development plan for full-scale commercial project.
- Participated in business plan development and venture capital procurement.

Tuck School of Business at Dartmouth, Hanover, NH, USA (freelance, Fall 2004)

Programmer and Database Developer (http://cibresearch.tuck.dartmouth.edu/trade_agreements_db/)

- Consulted as web developer/database specialist for the Center for International Business at Tuck. Performed all requirements gathering and needs assessment and delivered platform recommendations and application design.
- Re-architected and implemented existing database application from FileMaker Pro to LAMP platform (Linux/Apache/MySQL/PHP).

British Broadcasting Corporation (BBC), London, UK (1999 - 2002)

Senior Developer for BBC Online (<http://www.bbc.co.uk>)

- Developed strategic plans for new initiatives on key projects for the largest website in Europe.
- Managed developers and project managed design and editorial integration of major new website initiatives.
- Successfully led the creation and development of a BAFTA award-winning website called Celebdaq (<http://www.bbc.co.uk/celebdaq>). This site is a celebrity-trading site in the style of a stock exchange, incorporating a complex system of game design elements and requiring a backend interface for editorial input. Originally a purchased product, the system was rewritten for the BBC architecture.
- Lead developed the Listings Toolkit project, an internet/intranet application for tracking events (cinema, concerts, art openings, etc.) throughout the UK - using Oracle, object-oriented Perl, DBI, HTML and JavaScript. Developed Perl modules for incorporating data from multiple news feeds and rendering database information in HTML front-end. Found creative technical solutions to meet project requirements, set and kept team to deadlines. Mentored and trained team members in relevant new areas of technology. Site was later incorporated into various sites for specific listings for film (<http://www.bbc.co.uk/film>) and music (<http://www.bbc.co.uk/music>), etc.
- Lead developed the Recipe Finder for the BBC's Food site (<http://www.bbc.co.uk/food/recipes>), as well as a content production system for editorial input, as well as automated page production, site upload facilities and online search capability. Wrote all project documentation and liaised with design, editorial and production staff.
- Various other projects: vote script, secure vote system for talent site, e-postcards, dinosaur database (for Walking with Dinosaurs).

Ford Motor Company, Cologne, Germany (freelance, 1998 - 1999)

Lead Developer for European Data Validation Project (Intranet site)

- Designed and programmed an intranet-based website for Ford's Dealer Communication Data Validation project, a pan-European internal data-tracking system. Published summarized and sorted data from multiple tables in an Oracle database using SQL and PL/SQL (stored procedures).

Independent Consultant, various companies (1997 - 1998)

- Back-end programming of a file-management application used by advertisers working for Disney.
- Database support for 3rd edition of "Cybercafes - A Worldwide Guide for Travelers" (ISBN 1-58008-070-7).
- Installed Perl on a Windows NT server and developed CGI functions for forms and order processing (including SSL credit card transactions) for NEC's Auraline product.

traveltales.com, San Francisco, CA, USA (1996 - 1997)

Founder, Product Development Director

- Managed website production in all aspects, including programming, design and marketing strategy of an online community for budget travelers, including web-based email, chat, forums and mailing lists.
- Managed team of designers, programmers and content developers.

Education

- Dartmouth College, Hanover, NH, USA
Master of Arts, Electro-Acoustic Music (2004)
- University of Leeds, Leeds, UK
Master of Arts, Computer Music Research (2000)
- University of Southern California, Los Angeles, CA, USA
Bachelor of Arts, cum laude, Interdisciplinary Studies (1990)