

John Luke Mills

Web Developer

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Technical Skills:

- Flex 2
- ColdFusion 5 - 8
- HTML / CSS
- JavaScript
- FlexBuilder
- Dreamweaver
- Fireworks
- MySQL
- SQL Server

Experience:

2005 – Present **Client: One to One Fitness** <http://www.1to1fitness.com>

- **Problem:** Personal trainers couldn't effectively create workouts with the antiquated system.
Action: Created a new high performance RIA, (Rich Internet Application) from scratch using Flex 2 and ColdFusion 7. Features multiple-select drag & drop between windows and pixel-perfect PDF generation.
Result: A fabulous, fast system. 14,000 individual exercises assigned in the first 6 weeks.
- **Problem:** Salvaging an activity planning and tracking web application project where others failed.
Action: Revamped underlying database methods. Redesigned and created new user interfaces. Changed graphics to fit on normal sized screens.
Result: A fully functional web site to assign and track out-of-the-gym activities.

2003 – Present **Client: Active Duty Fitness for Women** <http://www.activedutyfitness.com>

- **Problem:** Web site not able to take appropriate advantage of great media coverage.
Action: Edited and compressed/encoded video from the TV stations into Flash 8 format. Wrote a small Flash video player in Flex to display the videos.
Result: Dramatic demonstration of what Active Duty is about and it's great media coverage.
- **Problem:** Dynamic web site lacked functionality and robustness to meet upcoming business needs.
Action: Recoded and redeployed from ColdFusion 5 to 7. Migrated from an Access database to SQL Server 2000. Implemented new progress tracking and announcement systems. Integrated with an external financial processing company.
Result: Much more robust, modern, and feature rich site.
- **Problem:** The web-based acceptance of agreements would probably not stand up to a challenge.
Action: Totally rewrote ColdFusion logic controlling how the agreements are stored and greatly increased the records of who made a status change from where.
Result: Much more robust records of agreements.
- **Problem:** The map of locations was out of date and not editable.
Action: Drew a new map covering the correct geographic area using layers in Fireworks.
Result: A map with hot-spots that reflects the current situation and can be easily changed in the future.

2003 – 2004 **Client: Belmont Design**

- **Problem:** Producing a report of projected revenues was taking too long and was error prone.
Action: Dynamically generate an Excel spreadsheet Using ColdFusion and Access SQL.
Result: Enormous time savings and improved accuracy.
- **Problem:** Quickly launching an e-commerce web site to take advantage of upcoming publicity.
Action: Integrated fusebox-based CFWebstore 5 code with custom graphics, layout, and navigation.
Result: On-time, good-looking, www.megcarterdesigns.com. It is still listed as a reference site on www.cfwebstore.com/index.cfm?fuseaction=page.display&page_id=24.

2005 **Public Service** http://johnlukemills.com/America_Hears/tools.cfm

- **Problem:** Difficulty displaying and comparing hearing aid programs.
Action: Used ColdFusion MX's XML tools to parse files containing the programs. Used dynamically generated HTML to display the values and flag differences. Also used the XML tools to build new XML files from parts of existing ones.
Result: Better ability to visualize what's going on in hearing aid programs.

Education:

B. A. Mathematical Sciences / Computers

University of Massachusetts Boston