

# John Luke Mills

## Web Developer

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- Technical Skills:**
- Flex 2 - 3
  - HTML / CSS
  - FlexBuilder
  - MySQL
  - ColdFusion 5 - 8
  - JavaScript
  - Dreamweaver
  - SQL Server
- Experience:**
- Fireworks

**2005 – Present**

**Client: One to One Fitness**

<http://www.1to1fitness.com>

- **Problem:** The custom accounting system became impossible to maintain and extend.  
**Action:** Start using QuickBooks Enterprise Solutions where possible and integrate with the more modern ColdFusion and Flex applications.  
**Result:** A great Flex/CF solution for front desk data entry and MySQL QuickBooks synchronization.
- **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:** Poor performance and support at a hosting company.  
**Action:** Moved code to new hosting company. Created MS SQL 2008 database from MS SQL 2000 backup dump. Updated error handling.  
**Result:** Better performance and support. Also upgraded to ColdFusion 8 and MS SQL 2008. Fixed errors caused by search engines.
- **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](http://www.megcarterdesigns.com). It is still listed as a reference site on [www.cfwebstore.com/index.cfm?fuseaction=page.display&page\\_id=24](http://www.cfwebstore.com/index.cfm?fuseaction=page.display&page_id=24).

**Education: B. A. Mathematical Sciences / Computers**

**University of Massachusetts Boston**