

## Summary:

- Four years experience developing Flex applications and the back-ends to support them.
- Extraordinary work quality and attention to detail. The Flex based Cliex system for One To One Fitness ran for a full year before the first bug report.
- Eight years experience of web-based application development with ColdFusion and standard web languages such as HTML/CSS/JavaScript.
- Eight years of database design and programming in both MySQL and MS SQL.
- Five years system integration experience with Intuit Enterprise Solutions, CFWebstore, Flex, ColdFusion, Java, and XML.
- Exceptional ability to communicate with technical and non-technical people to determine requirements, architecture, and designs. Effective meeting facilitator.
- Great out-of-the box thinker with exceptional trouble-shooting skills.

## Experience:

### 2003 – Present                      Independent Flex/Web Application Developer

- Analyzed, designed, and developed a Flex application for front desk data entry. The solution required extensive system integration to create a communication channel between the ColdFusion back-end and Intuit Enterprise Solutions. This was done using a Java package and XML. The channel is used extensively to synchronize data with the newly expanded MySQL database and Enterprise Solutions. The system allowed migrating from the obsolete accounting system which was impossible to maintain and extend.
- Took over and rescued a failing software project to create an activity planning and tracking web application. Rewrote underlying database methods, designed and implemented new user interfaces, and upgraded graphics. The back-end for this is ColdFusion. The rest is standard web languages and MySQL.
- Analyzed, designed, and developed a new Flex application to support the personal trainers creating workout plans for the clients. This application uses Flex 2 and ColdFusion 7. The application features multiple-select drag & drop between windows and pixel-perfect PDF generation. The application required the integration and expansion of an existing MySQL database with customer data.
- Migrated a web based system to HostMySite.com. Simultaneously migrated from MS SQL 2000 to 2008, from ColdFusion 7 to 8, and updated custom error handling resulting in better performance.
- Developed a small Flex video player. Edited and compressed/encoded video from TV stations into Flash 8 format meeting a tight deadline while media coverage was still fresh.
- Migrated web applications from ColdFusion 5 to 7 and from Access to SQL Server 2000 supporting expanding business.
- Analyzed, designed, and developed new progress tracking and announcement systems.
- Implemented integration with the customer's external financial processing company.
- Totally rewrote ColdFusion logic controlling the online acceptance of legal agreements. The new storage methods are much more robust, accurate and greatly increased the tracking of who made a status changes and from where.
- Drew a new interactive map covering the correct geographic area using layers in Fireworks. This map has hot-spots for each location that can be clicked to get more information about that location from a database. Both the database and graphics are easy to update.
- Quickly launched an e-commerce web site to take advantage of upcoming publicity. This integrated fusebox-based CFWebstore 5 code with custom graphics, layout, and navigation. This resulted in an on-time, good-looking, [www.megcarterdesigns.com](http://www.megcarterdesigns.com). It is still listed as a reference site on [http://www.cfwebstore.com/index.cfm?fuseaction=page.display&page\\_id=24](http://www.cfwebstore.com/index.cfm?fuseaction=page.display&page_id=24).
- Added a feature to a content management system to dynamically generate an Excel spreadsheet using ColdFusion and Access SQL.

**Experience:**

**1984 – 2002**

**Integris  
Bull HN Information Systems  
Honeywell Bull  
Honeywell Information Systems  
(These are all one major corporation that, renamed, merged, and split.)**

**1990 – 2002**

**Network Engineer III**

- Installed and configured Check Point firewalls. Designed and implemented the reconfiguration of portions of the network to accommodate the firewalls.
- Led the redesign and rebuilding of our application service provider infrastructure under emergency circumstances meeting a tight contractual deadline.
- Led the move of hundreds of LAN connections from one building to another while simultaneously migrating from a router-based network to a switch-based network before the lease on the old building expired.
- Designed and implemented a 45-site TCP/IP wide-area.
- Installed and configured Cisco PIX firewalls at a customer site while assisting them with reconfiguring their network to accommodate the firewalls.
- Reconfigured the entire Bull HN network to use the EIGRP routing protocol instead of IGRP with only brief moments of lost connectivity.
- Mentored other employees and acted as a design review sounding board.

**1984 – 1990**

**Senior Software Engineer**

- Reviewed and assisted with the design of the process control portion of a new operating system for Bull DPS-6 hardware.
- Consolidated several versions of the Multics operating system email system.
- Designed and implemented a domain name resolver and integrated it with the Multics email system.

**Volunteer Work:**

- Guide visually impaired cross-country skiers with Ski For Light International and the New England Regional.
- Train guides for visually impaired cross-country skiers for New England Regional Ski For Light.
- Non-profit website design, implementation, and maintenance,

**Education: B. A. Mathematical Sciences / Computers, University of Massachusetts**