

VICTOR SANCHEZ

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Qualification Summary

- Extensive experience in creating web-applications using a variety of technologies including **ColdFusion Markup Language (CFML), DB2, JAVA, XML, XSLFO, HTML, JavaScript, CSS, Macromedia Flash MX, Perl, PHP, SQL Server, ORACLE, mySQL, AJAX, UNIX**, and other web technologies.
- Wrote **JAVA** classes for both a Server and a Client object necessary to implement a simple web-based chat program. The Client object was embedded in a PERL-based webpage as an applet and could exchange messages with the server in a specified port. The Server managed the list of connected clients and relayed messages between them.
- Extensive experience designing and implementing **complex database table** structures to maximize database application performance. Strong knowledge of SQL language as well as the development of database functions and procedures in **PL-SQL (ORACLE)**, **T-SQL (SQL Server)** used to handle the business logic needed in most web applications.
- Some experience using and configuring web server technologies including **Apache, ColdFusion** and **IIS** web servers.
- Strong familiarity with graphics programs often used in the development of eye-catching application interfaces including **Paint Shop Pro**, Adobe **Fireworks** and **Photoshop**.
- Skilled in writing programs in Perl using **Regular Expressions** for the purpose of extracting valuable data from complex data files

Employment Experience

- **Legislative Data Processing Center (LDPC) Legislative Computer Programmer**, 2009 – Current

At LDPC, I have been involved in the development of the following projects:

1. Served as primary developer of [PA Legislature](#) website specifically designed for mobile devices
2. Developed and implemented templates used in the [Join Conservation Committee's \(JCC\)](#) public website.
3. Designed and developed public website for the [Joint Government Commission \(JSG\)](#).
4. Developed the "Legislative Appointments" Web Application: A solution written in ColdFusion with a **DB2** database back-end capable of leveraging the [RenderX](#) engine to convert dynamically generated FO-XML into PDF format documents complete with a cover-page and item-linked table of contents. This application makes use of user roles to control different levels of access as needed by the leadership.
5. Led training sessions for users of the Legislative Appointments application at LDPC's own computer Training Room.
6. Developed the "Roll Call Data Imports", a solution making use of ColdFusion code and ColdFusion scheduled tasks to replace an existing UNIX cronjob/PERL script solution as we prepared to migrate out of a UNIX server.
7. Using Adobe's Fireworks, developed a series of screen-mockups for the re-development of the [Joint Legislative Conservation Committee](#) Website. As part of a 2-person team effort, we are currently developing the final solution. When complete this site will allow administrators the ability to manage various part of the site including the ability sign up subscribers, publish documents, send email reminders, and administer and analyze the results of surveys.

- **Pipeline Interactive Web Developer**, 2007 – 2009

At Pipeline Interactive, I was significantly involved in the development of the following professional websites:

1. **UBS Global Asset Management Podcast Series**: Developed a content management system that allowed for the creation and upload of both audio and video podcasts and presenter profiles. The public podcasts listing was then made available through an iframe published on UBS's corporate USA site. Access to private podcasts was restricted to a select few based on IP address whitelist. [**Coldfusion, SQL Server**]
<http://www.ubs.com/1/e/globalam/Americas/globalamus/pod.html>
2. **VFC Corporation Brand Site**: Development of a Content Management System (CMS) to allow VFC administrators update the content on many of their pages. This site included the integration of a xml news feed from Thomson Reuters whose news articles were captured and stored in a local database to improve performance [**PHP, ORACLE**]
<http://www.vfc.com/>
3. **Stauffer's Biscuit Company: E-commerce** site that included development of a CMS to allow client to update and manage content and pricing of their many products. This site included a full integration with a payment processor to allow e-commerce. It also integrated with **UPS Online tools** for calculating accurate shipping rates. Finally, the site was capable of exporting and emailing an **XML** data packet detailing daily sales that was then fed into the Mail Order Management (**MOM**) system to help manage the shipping of purchased products. [**Coldfusion, SQL Server**]
<http://www.stauffers.net/>

4. **Wellness Press – Health First:** Development of an online application capable of managing several types of users each with its own custom view of the site based on privileges. The application allowed the super user to create contests with custom parameters, carry out diet-related contests, provide feedback and current contest standings to contestants, and the generation of custom, detailed reports of all data collected in both HTML and PDF formats. [Coldfusion, SQL Server]
<http://healthfirst.wellnesspress.com/>
5. **Global Youth Summit – Jane Goodall Institute:** Creation of a CMS that allowed administrators manage page content and a News and Events section with the ability to post or remove news listings based on date ranges. Site also included a members section with the ability to designate any arbitrary page on the site as member-only thereby requiring the user to first login before being allowed inside. [Coldfusion, ORACLE]
<http://globalyouthsummit.org/>
6. Other sites I was involved with in the past 2 years include the following: [Roots and Shoots](#), [Alpha Factor Just Born - Corporate](#), [Just Born - Mike and Ike](#), [Just Born - Peanut Chews](#), [Just Born - Hot Tamales](#), [Bicycle World \(NY\)](#), [Lancaster County Community Foundation](#), [St Francis Hospital](#)

▪ **Penn State – Public Health Sciences - Senior Programmer/Analyst**, 2002 - 2007

1. Perform database updates against the ORACLE database using the **SQL Navigator** Query tool
2. Add functionality to an existing database-driven application written in Visual Basic and Microsoft Access
3. **Create data-entry forms and modules using CFML, ORACLE and JavaScript technologies**
4. Provide technical support and bug fixing for our Data Management department.
5. **Led team discussions** addressing the strengths/weaknesses of code implemented in our application modules

▪ **Other work experience:**

- Research Technician, Behavioral Science Department, Penn State College of Medicine, 2000-2002
 1. Carry out behavioral science experiments
 2. **Collect, analyze and graph data for presentation at scientific conferences**
 3. Write code for on-line behavioral science department surveys for the Washington Advisory Group
 4. Manipulate spreadsheets and write code for data extraction programs and to control operant chambers
- Graduate Student, Pharmacology Department, Louisiana State University, 1999-2000
 1. Conducted behavioral pharmacology research during laboratory rotations
 2. **Presented results of research as well as scientific papers at departmental meetings**

Education

- Penn State Harrisburg, completed approximately 80% of Computer Science Masters program.
- LSU Medical Center in Shreveport (GRADUATE SCHOOL): Pharmacology Department, 1999-2000
- Allegheny College: Bachelor of Science in Psychology, minor in Biology, May 1997

Miscellaneous

- Language: **Fluent in Spanish** [lived in Mexico for 13 years]

References:

- **Denny Miller**, Pipeline Interactive, President - Phone: 717.273.5665
- **Jason Gray**, Pipeline Interactive, Lead Developer - Phone: 717.228.9984
- **Rob LeDrew**, Pipeline Interactive, Lead Developer - Phone: 717.273.5665
- **Richard L. Evans, M.S.** Penn State Public Health Sciences, Manager - Phone: 717.531.7178