

# Shawn Leslie - Pragmatic Programmer

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## MISSION STATEMENT

Experienced programmer with a diverse set of experience with problem solving ability in everything from implementing a shell sort in assembly language to finding out how to best set up and use a video editing box using Final Cut Pro. The skill set between these two is pragmatic and results oriented, and I am willing to use and learn how to use a tool to solve a problem with quantifiable goals to all stakeholders.

## COMPUTER SKILLS

*Languages:* C/C++, Perl, PHP (CakePHP, Joomla, elgg, Wordpress), HTML, CSS, Javascript, Progress, J2ME.  
*Development Environments and Programs:* Linux, Solaris, Mysql, Firebug, OS/390, GCC, Insure++, valgrind, gVim, Latex, Cygwin.

## EXPERIENCE

*Internet Programmer* January 2008-present  
*I am currently an internet programmer based in Vancouver, British Columbia. I have worked on a number of sites, projects and database improvements, a sample of which can be found in the Projects Section of this resume*

- Performed Database tuning for a ERP system for port shipping labor java reporting.
- Engineered applications using Facebook's API for games and social marketing campaigns.
- Used memcache to enable a database intensive rating based social networking site to handle heavy loads (ratemygroup.com).
- Assisted in solving server issues using linux command line to resolve issues related to virtual private servers and hosted servers. I currently run two servers for Vast Venture Media in New Westminster.
- Currently, I have collaborated on over 100 sites thus far for projects of all sizes.

*Programmer* July 2009-June 2010  
Virtually Canadian Ltd. / Myonlinerreservation.com  
Vancouver, British Columbia

*Worked on a SaaS Hotel Reservation System for Independent Hotels, Bed and Breakfasts, and R.V. Parks. A sample hotel can be found at <https://myonlinerreservation.com/step1.php?htid=1> . I also performed tasks related to Internet Marketing for our 200+ clients including custom programming, content management systems.*

- Used Expedia API to connect our hotels' rates and inventory to Expedia's system.
- Created a custom AJAX / JQuery Horizontal Grid for easy input of rate and inventory for room types. The goal of this widget was to emulate a horizontal spreadsheet within all web browsers.
- Initiated SVN (Subversion) source code control of the application.
- Added PDF and email report generation for commission reports and customer invoicing.
- Within one week, I enabled the application to provide multiple language support for any language using the Zend language object, the vi text editor, and php's version of sprintf.

- Completed dozens of requests for features and improvements for the application. Currently, there are over 600 checkins and several tables added to enable the improved functionality.

*Programmer/Analyst*

January 2001-April 2007

Pollard Banknote Limited Partnership

Winnipeg, Manitoba

*Pollard Banknote produces scratch off lottery tickets for a number of international and domestic clients. We placed importance on using highly secure processes across all departments and on creating a top quality finished product in a tightly competitive market. I worked in various departments within the Information Systems department.*

- Developed algorithms using C/C++ to create encrypted ticket verification data and to assign maximally variable game data to a large set of lottery tickets. Emphasis was placed upon accuracy, flexibility, and extremely quick turnaround times.
- Developed and installed a C/C++ online multi-site encryption and verification application on IBM mainframes and Linux. Installation, training, and requirements gathering were performed on-site in Iowa and at Hoosier Lottery in Indiana. The application allowed for Point of Sale verification of a product that was previously checked by the retailers themselves and allowed Pollard to offer a new product to our clients.
- Analyzed ticket data via statistical reports, Perl scripts, and GNU text applications to ensure conformity to specified restrictions and limitations.
- Created and maintained tools using perl, Unix shell scripts, and PerlTk GUI front ends that increased workflow efficiency.
- Acted as a liaison between software, marketing and manufacturing groups. This involved communicating and brokering with project leaders and managers about the status of software projects, factory throughput, and the importance of these projects to our clients. This role allowed us to maximize the efficiency of our resource allocation from a company wide perspective.
- Created and maintained an online web application for allowing users to modify and view the completion status of the steps taken to produce our products. This application was written using Perl and the Progress 4GL data modeling language. It used a Sybase back end that connected to Progress through an ODBC driver. Some of the tasks done included performance profiling and tuning, CSS styling, javaScript user interface improvements, the authoring of a script that allowed users to upload Excel spreadsheets to the application, and the drawing of several diagrams that outlined the database and layout of the application's code structure. I also authored a 20 page manual outlining the application's use from a user's perspective.

*Programmer*

January-April, September-December 1999

University of Manitoba Winnipeg, Manitoba

- Worked in the **Application Technologies Group**.
- Projects completed include authoring a script for the migration of JCL to OS/390, creating GUI front ends for database applications using Uniface and Sybase, refactoring legacy REXX and PL1 applications, and creating tools for analyzing mainframe resource usage using IBM SMF records.

## EDUCATION

*Bachelor of Computer Science - First Class Honors (Co-operative Option)*

*University of Manitoba*

Focus on Artificial Intelligence, Graphics, Statistics, Graph Theory, Software Engineering, and Discrete Mathematics with electives in Statistics and Anthropology. Obtained a 3.88 GPA.

## PROJECTS

- **<http://www.habidoo.com>**  
Principal webmaster and programmer of a Social Media site where Home Owners and Home Professionals may send messages, participate in projects, and ask questions. This site features user profiles, paypal integration, and profile management. It was built using the elgg system (<http://www.elgg.org>). The company disbanded in April, 2009.
- **<http://www.iancoproducts.com/contacts.php>**  
This is one site of 6 sites for one client where I improved upon a custom CMS to handle unanticipated changes with ease, performed skinning of the applications, and used the improved CMS to create the web site to the client's specifications.
- **<http://www.wmandassociates.ca>**  
A Joomla enabled site created for a Vancouver Career Coach. I created a custom top banner ad, tailored a template to client specifications, and aided in copy writing the site's content and site map.
- **<http://www.agentschat.com>**  
This is a site that I hold equity in, and act as a internet technician performing details such as server migration, and technical problem solving. I also act as a forum moderator and integrate various google tools (webmaster and adsense) and monitor their performance.
- **<http://expc.2010living.ca/index.php>**  
Customized Joomla's Virtuemart plugin for Canadian Tax laws, appearance of product data, shipping data, and rating capabilities.
- **<http://www.ratemygroup.com>**  
A site built on custom built PHP, I am currently making the site production-ready by improving database performance, memcaching specific database queries, and enhancing apache server functionality.
- **<http://www.shawnleslie.com/code/ShawnAdvance.zip>**  
Developed and designed a complete J2ME application featuring an Min-Max powered AI computer opponent and support for Bluetooth multi-player game play.
- **[http://apps.facebook.com/rap\\_based\\_app\\_server/quotes/index/684787040/](http://apps.facebook.com/rap_based_app_server/quotes/index/684787040/)**  
**<http://bit.ly/TrueCA>**  
I have done Facebook application development. My largest projects to date are an application called Rap Quotes and a campaign for California Tourism. The Rap Quote Rating application is an AJAX enabled application which allows users to rate quotes that they have created. I was responsible for all aspects of the application, from mysql administration to creating graphical elements. I have used CakePHP for this project, so the application was developed using an MVC coding style.
- **<http://apps.facebook.com/kariskafe>**  
I integrated a flash application to run on the Facebook platform using Facebook's javascript / Flash bridge.
- **<http://www.24hourshongkong.com>**  
A photography project of my own pictures using a static html page generated by a php script.
- **<http://www.thestufflike.org>**  
I currently have a Wordpress enabled blog of articles on general interest topics.
- **[http://www.shawnleslie.com/documents/CSP\\_docs/](http://www.shawnleslie.com/documents/CSP_docs/)**  
Documentation for the Progress web application I created at Pollard.