

Carl Forde

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Professional Experience

Storm Lantern Solutions

<http://stormlantern.ca>

Entrepreneur

July 2002 to Present

Led a distributed multi-national team in the redesign and implementation of <http://realtour.biz> marketing suite. New services include a multi-file uploader, photographer scheduling system, interface to PayPal, virtual tour creator and viewer. Restructured the development and production environments for better performance, flexibility, security and scalability. Technologies: Linux, Apache, MySQL, jQuery, CakePHP.

Designed and implemented the premier issue of the SFU Educational Review using Open Journal Systems which is written in PHP and MySQL. <http://journals.sfu.ca/sfuer>

Redesigned and rewrote the interface of a web based calendaring system to improve its usability and support additional web browsers.

Designed and developed web sites to customer specifications in conformance with modern web standards. Provided photography and image editing services.

Founder of the Fraser Valley Linux Users Group: <http://fvlug.ca>

Premier School Agendas

<http://premier.ca>

Web Application Architect

Technology Solutions Group, July 2004 to August 2009

Led a five person multi-department project team developing the Customizer web application which is used by over 2000 customers representing more than 20% of revenue annually. The Customizer is implemented using Linux, Apache, PostgreSQL, Perl(Mason) and JavaScript (Ajax). It is designed to be scalable, serviceable, reliable, easy to use and easily extensible.

Led the development of <http://PremierCampus.com> which was built on Moodle using PHP and MySQL. It is designed to be the central location for all of Premier's student and teacher related online products.

Implemented a problem tracking system using FogBugz which improved project management, inter-departmental communications and work flow yielding better working relationships.

Implemented a source code management system using Subversion which enabled developers to work with greater independence, improve change management and track the history of changes.

BackWeb Technologies

<http://backweb.com>

Technical Instructor

Education Services, October 2000 to January 2002

Application Engineer

Professional Services, May 1999 to October 2000

Led multi-disciplinary teams in the design and implementation of custom solutions using BackWeb, Perl, IIS, SQL Server and BEA WebLogic running on Windows NT Server and Sun Solaris.

Lead developer for a demonstration application that led to a \$1.7 million sale.

Trained customers and internal employees ranging from technical support people to senior managers covering the full range of BackWeb products and capabilities.

Designed and developed new classes including presentations, examples and quizzes for teaching new products. Revised class materials to maintain product currency.

Created a portable classroom network consisting of a network switch and 15 laptops loaded with the full suite of BackWeb software. This eliminated a dependency on customers' equipment which enabled new training opportunities.

Beyond Software

Senior Systems Architect

Research and Development Group, April 1996 to May 1999

Led the development of EnterpriseView, a commercial version of the Open Source web browser Charlotte.

Designed and developed new features for EnterpriseWeb/VM, a native VM web server.

Designed an XML application to translate browser requests to host filenames and actions for EnterpriseWeb/MVS, a native MVS web server.

Designed and developed a web interface for an enterprise calendaring system (Office Vision/VM) using REXX, CMS Pipelines, JavaScript and HTML. This provided a graphical calendaring interface to anyone with a web enabled PC.

British Columbia Systems Corporation

Senior Technical Analyst

VM System Software Support Group, November 1992 to March 1996

Technical Analyst

VM Database Development and Support Centre, Sept. 1987 to Nov. 1992

Led the development of Charlotte, a native VM web browser written in REXX, CMS Pipelines and Sockets for 3270 class terminals. It enabled thousands of companies to provide web access to their employees who did not have access to an Internet connected PC.

Designed, developed and successfully tested the SQL/DS database Disaster Recovery Plan. Presented the plan at user groups in Victoria, Los Angeles, New York and Boston.

Responsible for the security, recovery and technical support of over 40 database servers.

Co-authored the System Product Interpreter Performance Tips chapter in The REXX Handbook published by McGraw-Hill.

Mentored junior members of the Database Support Group.

Academic Experience

Simon Fraser University, Burnaby, B.C.

M.A., Education and Technology, 2008

Thesis: A Virtual Margin for Knowledge Work on the Web: Design, Implementation and Usability Testing

Published "Uses of a private "virtual margin" on public threaded discussions: An exploratory lab-based study Computers in Human Behavior" in 2010.

Awarded a Graduate Fellowship for 2008/2009.

Presented my thesis defence talk at the SFU Education and Technology Program Institute in 2008.

Designed the layout for the premier issue of <http://journals.sfu.ca/sfuer> the SFU Educational Review.

Presented my research on a poster at SFU Open Houses on the Burnaby and Surrey campuses in 2006.

Presented a paper on the Virtual Margin at The Institute for Knowledge Innovation and Technology 2005 Summer Institute in Toronto (peer-reviewed).

University of Victoria, Victoria, B.C.

B.Sc., Combined Computer Science and Mathematics, 1987