

CAMERON SMITH

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address Nanaimo, BC



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#!/usr/bin/bash
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Summary

Extensive experience in web application design and implementation, including program specification, database schema design, HTML/CSS/Javascript page implementation, including separation of content and presentation.

Over ten years of Unix system administration, including Apache webserver configuration, MySQL configuration, security, networking and file sharing.

I'm seeking a position as either a systems administrator in a complex and dynamic Unix environment or an application programmer with a high degree of involvement in web technologies or in computer and network security.

Skills

- Excellent written and oral communication skills
- PERL, PHP, Bash, Obj-C
- SQL (MySQL), including triggers, events and stored procedures
- HTML, CSS, JavaScript, jQuery
- Perl-compatible regular expressions (with comments)
- Workflow analysis and automation using custom and off-the-shelf software
- Database configuration: indexing, normalization, foreign-key constraints, replication
- Unix configuration: webserver, database, firewall, network, user management, mail, firewall, DNS (BIND9), file sharing

Professional Experience

Web Designer/Unix System Admin *Cutting Edge Technology Services, 2013+*

Website design and migration, using Wordpress and Drupal. Setup and maintenance of OS X, Debian, Ubuntu and FreeBSD systems. Installation of XenServer hypervisor and OwnCloud cloud server.

Programmer/Unix System Admin *Black Press Group Ltd., 2004-2013*

Development and maintenance of public and internal systems for company running 100+ community and daily newspapers. Maintained a bank of Unix servers, providing services such as • file sharing, • mail, • dns (BIND), • firewalls and • authentication and authorization against an LDAP (Open Directory) directory. Created • monitoring, • log analysis and • automation tools using bash, perl and other utilities. Created full apps with user interfaces for workflow and system administration.

I would recommend Cameron's work especially with respect to internet based information projects which improve a company's efficiency. He is an outside the box style thinker and problem solver. His work is excellent and his solutions stand the test of time and technological improvement.

**Rick O'Connor
President and
Chief Executive Officer,
Black Press Group**

more →

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Cameron is a strong global thinker who applies his programming skills to overcoming operational inefficiencies and challenges. He is unafraid of venturing outside the status quo to move a company forward. His hard work and vision were both important assets for our team.

Cheryl Wirch-Ryckman
Manager, Membership & Online Services at Greater Victoria Chamber of Commerce

Unlike some programmers I've worked with, Cameron understands the big picture of this business, and instills a high level of confidence in management that the details will be dealt with in a professional manner.

David J Blair
New Media Manager, Black Press Group

Professional Experience (cont'd.)

Notable systems for which I was the principal designer and developer:

- **AdTracker:** internal web app; provides staff at all newspapers a graphical tool to exchange ads and monitor, in real time, the production-flow status of incoming and outgoing ads.
- **retrieveRets.sh:** bash, sed, awk; script which retrieves data from a RETS (Real Estate Transaction Standard) server and converts it into a format suitable for input to an automated page layout system.
- **UserAccounts:** perl modules, Obj-C; used by other systems for authentication and authorization, using either an Open Directory or sql database for backend user account storage.
- **DNS:** configuration; BIND9 system for external and internal service of over 400 Black Press domains, master and multiple slaves, forwarding, non-forwarding, recursing, non-recursing, multiple views.

Thinker/Developer/Trainer

Cutting Edge Technology Services, 14 years

Development of automation systems for newspaper and catalogue publishers. Workflow design and production flow analysis. Newspaper website design, creation, and maintenance. Content management system creation. User training. Editorial consulting and services. Graphic production services.

Notable clients included:

- **Auto Trader Publications** (Coquitlam, BC), complete automation system, with sql backend, MacOS training.
- **Raincoast Books** (Vancouver, BC), complete automation system, with sql backend, for data input, automated pagination of their book catalogues, training.
- **Bremerton Sun** (Bremerton, WA), workflow automation, training.
- **North Shore News** (North Vancouver, BC), workflow automation, training on conversion from dedicated typesetters to Macintosh.
- **Barnacle Press** (Salt Spring Island, BC), newspaper website creation and maintenance, training.

Education

Management Skills in Advanced Technology
Computer Science, Communication
Honours Computer Science

Simon Fraser University
Simon Fraser University
University of Alberta