

Paul Torben Sorensen

Vancouver, British Columbia, Canada
ts@torbensorensen.com

778-318-3877

I am a career web architect, programmer and systems administrator. I have worked for large organizations and small software startups, lead teams in designing complex interactive web-based portals, administrated servers and networks, and installed, configured and maintained systems. From starting programming on an Atari 400 in Basic and Assembly Language, to Java Client/Server applications exchanging SOAP messages over the Internet, I have the experience and skills to ensure the successful completion of any programming project.

Web Architect

- ◆ 8+ years focus on web development, from requirements analysis and modeling, to server installation, to production-grade web applications.
- ◆ Lead a team of 5 developers in creating an online portal for use in schools.
- ◆ Held positions with management responsibility, including training, for up to 5 employees engaged in computer applications development, data center operations, engineering support, and related activities.

Programmer

- ◆ 10+ years experience in software architecture, structured development, user interface design, documentation creation, and database design.
- ◆ Java, Perl, Php, Python, C/C++, SQL, C#, Visual Basic, XML, Oracle, MySQL

System Administrator

- ◆ 8+ years as a System Administrator, very knowledgeable on all major Operating Systems
- ◆ Installed and administrated Linux (many distributions, including Red Hat, Suse, Gentoo and FreeBSD), Sun Solaris, and Windows NT servers

EMPLOYMENT HISTORY

Contract Programmer / Developer

April 2005 – Present

I have again been a self-employed programmer / developer. I have worked as a contractor for several companies, some of which are listed below:

- Captus Technologies – Performed a Java Client/Server poker gaming application configuration and installation for a testing environment, as well as system and procedure documentation. Also install system monitoring software, and configured warning levels and output graphs.
- Pro List Hosting – This Company runs a safe email advertisement delivery system to subscribed customers. I have been extensively reworking the applications, moving towards object oriented mod_perl from the original script Perl. As well I have performed maintenance and enhancements including a new payment processor, reworked the optimized database schema and simplified the entire application.
- PrivateJVclub.com – This site has been completely revamped by me, to create a MVC Php site using Smarty templates, and the Zend controller package. In addition to the programming, I designed the database structure, created a lot of the graphics and CSS, and recently moved the entire site to a new server.

- Zabbix Monitoring software

- Java
- FreeBSD + Gentoo Linux

- Perl, Php
- MySQL

Red Hawk Gaming Inc., Vancouver, British Columbia, Canada

May 2004 – March 2005

C++ / Java Developer

Red Hawk Games creates Electronic Gaming Machines for the Casino market. As a C++ and Java developer working as part of a team, we created a proxy application to allow this company's games to communicate via XML/SOAP with other Vendor's servers. This project allowed Red Hawk to place Gaming machines into several new markets that had previously been dominated by their competitors. Also, I went on several business trips to new casino locations to assist in installing these game machines and servers.

- Windows 2000 Server
- Linux: Redhat + Gentoo
- Socket Programming
- C / C++
- Java
- SOAP
- XML
- Perl
- Visual SourceSafe
- MySQL
- Web Services

Contract Programmer / Developer

July 2001 – April 2004

During these three years I was self-employed, contracting my web design and programming skills to several companies, in projects ranging from the simple single page website to Java/Oracle eCommerce sites.

- Media Funding Corporation (www.mediafunding.com) provides financing for Infomercials in the United States. This company needed a new website developed that reflected this company's long experience in the Infomercial Industry, as well as enabling new avenues of contact with prospective and current customers. This involved mostly graphic and HTML/ JavaScript work, with a few Perl scripts for the online forms.
- Merchant Finance Company (www.merchantfinanceco.com) assists restaurants and other small businesses with loans based on their credit-card volume. This company needed a new website designed that would operate as a front-end to those businesses, providing account information and status, as well as being an advertising vehicle to attract new customers. The solution was developed in Perl using a simple database.
- Up and Running Studios (www.upandrunningstudios.com) is a small website company that needed additional website tools to help their customers make better use of their internet domains. I installed several free Linux applications, such as a Gallery, a website statistics tool, a blogging application, and forum software. As well I upgraded their servers from Redhat Linux to a more secure Gentoo Linux distribution, while maintaining all their customers' websites and applications.
- Andre Bieler Inc. (www.andrebieler.com) is a small artist-based company that needed an online database of the artworks, to assist in inventory and sales. The solution was developed in Mod_Perl with a MySQL database.
- Rolling Oaks Enterprises (www.rollingoaks.net) provides financing for small to medium sized companies. They needed a website update, to reflect changes in the company.
- Bubble Action Pumps Ltd. (www.bubbleactionpumps.com) makes solar-water-heating equipment. They needed a simple website to advertise their products, and provide customers with more information on their products.
- World of Giving International (www.worldofgiving.com:8080) is creating software to assist large companies in offering automatic charitable donations for their employees. This software had been designed in Java using an Oracle backend, however the documentation was sparse and the customer needed a full set of documents to continue forward. I created a full set of design specifications based on the current system, including Database Schema diagrams, Process Flow, Use Case analysis and Installation documents.

Darwin Partners, Oakland, California, USA

September 2000 – June 2001

Contract Programmer

In this position I was contracted for six months to assist with the redesign of the Morgan Stanley Dean Witter Online financial web site from a Perl-centric design to a Java-centric design, as well as maintaining the existing Perl site. I coordinated efforts between my manager and several junior employees, and lead a team in rewriting the email notification system in Java, as well as several smaller projects relating to the day-to-day operations of this financial website.

- Solaris
- Sybase
- OO Perl
- Java
- Rational ClearCase
- Rational ClearQuest

Ingenuity Works, Burnaby, BC, Canada

July 1999 – August 2000

Lead Programmer / Systems Analyst

Ingenuity Works is creating a K-12 school web portal, with an expected user count above 600,000. I managed a team of 5 programmers, developed timelines, objectives, specifications, configured the Linux hardware and OS, set-up the Apache web server, designed the initial framework, assisted with the Oracle database set-up and configuration, programmed the first beta scripts, helped with the database design and maintenance, configured DNS, and installed systems to monitor the servers.

- Team Lead
- Programmer
- System Analyst
- System Administrator
- Linux
- Perl
- Apache
- Mod_Perl
- Oracle
- DNS install + configuration
- Firewall install + maintenance
- Mason Content Management System
- Big Sister System Monitor
- BugZilla Defect Tracker

BC Tel Interactive, Burnaby, BC, Canada

December 1997 – June 1999

Systems Analyst

This position involved creating new form-based Perl and Cold Fusion programs, to meet the business needs of the company. I also assisted in documenting and organizing procedures and policies as pertained to programming. As well, I was one member of a team of six that was responsible for the 24/7 operations of 50+ servers running the Solaris, Linux, and Windows NT operating systems for over 200,000 ISP customers in BC.

- Windows NT Server
- Solaris
- Linux
- AS/400
- TCP / IP problem-solving
- Netscape Web Server + IIS
- SMTP / POP3
- DHCP
- Perl
- Fast-CGI
- Cold Fusion
- Unix Shells

Ministry of Forests, TAS Branch, Victoria, BC, Canada

December 1996 – June 1997

Assistant Webmaster

In this Co-op work term I served as the assistant webmaster for the branch responsible for distributing Ministry codes and practices. At the time the ministry was working to put all their handbooks and guides onto the Internet, and I was responsible for devising the HTML document standards, as well as converting manuals into HTML. As well, I made updates to the Branch website, researched internet technologies and developed small applications to assist in the day to day business processes.

- Windows NT Server
- IIS
- Homesite HTML Editor
- Dreamweaver HTML Editor
- HTML
- MS Word Macros

Programming Languages:

Language	Skill Level	Last Used	Experience
Java	Intermediate	1 Year Ago	6 Years
SQL	Expert	Currently Used	9 Years
Perl	Expert	Currently Used	8 Years
C	Intermediate	Currently Used	4 Years
C++	Intermediate	Currently Used	5 Years
Shell Programming	Intermediate	Currently Used	7 Years
HTML	Expert	Currently Used	10 Years
JavaScript	Expert	Currently Used	7 Years
Visual Basic	Expert	3 Years Ago	7 Years
XML	Expert	Currently Used	5 Years
Oracle (PL/SQL)	Intermediate	3 Years Ago	4 Years
Flash	Intermediate	2 Years Ago	2 Years
CSS	Expert	Currently Used	5 Years
Cold Fusion	Intermediate	2 Years Ago	3 Years
Mod_Perl	Intermediate	Currently Used	4 Years
PHP	Expert	Currently Used	5 Years
Python	Intermediate	1 Year Ago	2 Years
ASP .NET	Intermediate	2 Years Ago	3 Years
Tcl	Intermediate	3 Years Ago	1 Year

System and Database Administration:

OS/DB	Skill Level	Last Used	Experience
Linux	Expert	Currently Used	7 Years
Oracle	Intermediate	3 Years ago	5 Years
Win NT/IIS	Intermediate	2 Years ago	4 Years
Apache	Intermediate	Currently Used	6 Years
MySQL	Intermediate	Currently Used	6 Years
Solaris	Intermediate	5 Years ago	3 Years

EDUCATION

Camosun College, Victoria, British Columbia, Canada

September 1995 – December 1997

Diploma, Computer Systems Technology

Completed the Co-Op Computer Technology Specialist Program at Camosun College. This involved 3 years study in programming (mostly C++/Java), and systems design. This program included 9 months of co-op work terms, split in three 3 month periods. I worked two work terms at the Ministry of Forests in Victoria at the TASB division as a webmaster responsible for maintaining and upgrading the Ministry's web-based documentation. My final work term was spent working at BC Tel Interactive for 3 months, which then became a full-time position.

Sun Solaris Systems Administration, Levels I + II

August 1999

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