STEVE SILVA

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Objective

A creative and challenging position that will exercise and enhance my skills in web development and relational database management systems.

Key Skills

- Proactive, results-oriented and hard-working
- A team player with strong interpersonal and communication skills
- Proven ability to problem solve, multitask and learn new technologies quickly
- Demonstrated project management, technical documentation and organizational skills
- **Programming:** C, C++, Java, Visual Basic, Shell Script, Perl, PHP, JavaScript, DOM, AJAX, CSS, HTML, XML, JSON
- **Relational Databases:** MySQL, MS SQL, PostgreSQL, DB2, Access
- **Revision Control:** CVS, SVN (Subversion), Hg (Mercurial), Git
- **Other:** PHP MVC Framework, OOP, Regular expressions, Ext JS, YUI, jQuery, Prototype, script.aculo.us, Google Maps API, ColdFusion, IIS, Apache, Linux, LAMP/WAMP, W3C Standards, Adobe Photoshop, Eclipse IDE, SPSS
- Brief descriptions of some of my projects can be found on my online portfolio at **www.stevesilva.net**

Relevant Work Experience

Programmer / Web Application Developer, October 2008 - February 2010
Canmark Technologies Ltd. - Toronto, Ontario

- Main developer on the complete re-write of an outdated **Perl** Survey Management System, preparing design documents, database schemas, flow charts and E-R diagrams for a new system. Implemented using an object-oriented **PHP** MVC framework, **Ext** and **jQuery** JavaScript libraries, cascading style sheets, a normalized **MySQL** database, and **Git** for revision control.
- Collaborated with other developers on statistical reporting web applications, supported novice PHP programmers on the creation of a basic survey creation application for the new system, and worked with the system administrators and senior developer on code optimization, performance testing and site deployment.
- Wrote scripts (**PHP**, **DOS Batch**, **Perl**, **Bash Shell**) for tedious and time-intensive tasks, such as utilities to: export old surveys to an **XML** format and import them into the new system to significantly reduce survey design time, import answer sets from tab-delimited files while maintaining answer relations, and a tool to export and import survey text in CSV format for translations in multi-lingual surveys.
- Several surveys have been created in the new system and are being used for market research in the automotive and airline industries as well as workforce and medical research studies, including the recent OPSEU "Count Me In!" Census which received 27,000 responses over a one month period.

Web Application Developer, August 2005 - August 2008
SiteAlive, Inc. - Toronto, Ontario

- Served as lead developer on several web applications using a variety of tools and technologies, working primarily in **PHP**, **MySQL**, **MS SQL**, **JavaScript**, **AJAX**, **CSS** and **HTML** using best practices, web standards and reliable data patterns.
- Analyzed client requirements and prepared design documents, time estimates, database schemas, E-R diagrams, flow charts and provided recommendations and suggestions on functionality and usability to best meet the client's needs.
- Worked on multiple assignments concurrently, supported other developers' projects in order to meet critical deadlines, prioritized and managed time effectively and worked efficiently with minimal supervision.

Web Developer, July 2003 - Present
Freelance - Toronto, Ontario

- Designed and developed various websites and web applications, working primarily in **PHP**, **MySQL**, **JavaScript**, **AJAX**, **CSS** and **HTML**.
- Created a website for the organization of *Monzurfest*, a local gaming tournament. The site includes user registration, user login, a message board as well as the Google Maps API and geocoding.
- Developed *MovieTracker*, a movie cataloguing application which allows account signups and keeps organized movie collections which can be sorted and searched based on specified criteria. Movie details are parsed from the IMDb.com website.

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- Implemented an *NHL Hockey Pool* website which featured account signups, roster selections, entry standings, and relevant player and team statistics. Stats parsed daily from Yahoo! Sports.
- Wrote **CGI** script in **C** to interact with a **MySQL** database for high-volume banner ad generation and tracking for the *Cyberathlete Professional League* website.

Web Programmer, May 2003 - August 2004
Working Mule LLC - Private Consulting

- Worked on the redesign and development of several online catalogs and shopping carts.
- Prepared database schemas and E-R diagrams based on the client's functional requirements, and normalized the database model.
- Implemented full-featured shopping carts in **PHP** and **MySQL**, including the ability to browse items, add items to the cart, check out and purchase online, generate invoices, track orders, and update the catalog.

Technical Support / Staff Writer, May 2001 - November 2002 (acquired by *GameSpy Industries* in 2001)
Fox Interactive Media, Inc. / IGN Entertainment / GameSpy Industries

- Transferred and merged *3D Portal* content across several *GameSpy* hubs.
- Provided **PHP** programming and web design support for hosted sites.
- Wrote tech mailbags addressing the most common issues, vastly reducing the thousands of e-mails received after each Half-Life patch release.
- Replied to hundreds of technical support e-mails from our readers each week and wrote detailed trouble-shooting sections with answers to frequently asked questions.

Web Development Director, August 1999 - May 2001 (acquired by *3D Portal Network* in 1999)
3D Portal Network / HalfLife.Net

- Developed and maintained content for a network of ten high-profile, high-traffic websites in conjunction with *IGN Entertainment* and *Sierra Studios*
- Played a key role in increasing the network's page views by over 2000%, reaching over 18 million impressions per month, by playing an active role in the community and recruiting quality websites that brought in high levels of unique traffic.
- Managed the development of five new web portals, including content management systems for news, comments and downloads in **PHP** and **Perl** on **MySQL** and **PostgreSQL** databases.
- Worked effectively with an international team to ensure editorial integrity throughout the entire network.

Junior Technician, March 1998 - September 1999
Interware Systems, Inc. - Toronto, Ontario

- Assembled computer hardware and configured software under strict deadlines.
- Diagnosed hardware, software and networking problems on and off-site.
- Assisted technicians with delivery, setup, and Ethernet cabling installation.
- Administered UNIX/Linux web servers and maintained Internet user accounts.
- Provided technical support via phone and e-mail for hundreds of clients.

EDUCATION

Bachelor of Science in Applied Computer Science, June 2003
Ryerson University - Toronto, Ontario

- **Courses:** Software Engineering, Relational Databases, Web Applications, User Interface Development, Object-Oriented Programming, Data Communications, Operating Systems, Distributed Systems
- **Undergraduate Thesis:** Developed database-driven *Co-operative Education On-line Facilities* for Computer Science students and administration. Implemented in **PHP, Perl, MySQL, HTML, CSS** and **JavaScript**

REFERENCES

Available upon request.