

BRIAN GILLIS
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OBJECTIVES

My goal is to find a position as a software engineer or a software developer in a small to medium sized company. It is important to me to work with modern programming languages as well as modern software design and development techniques to solve challenging and interesting software problems.

COMPUTER SKILLS

- Major Languages: **C#, C++, Java, PHP, Perl**, Visual Basic .NET, JSP/JSP, Python, JavaScript
 - Markup: **LaTeX, XML, HTML(XHTML)**
 - Supporting Tools: **UML, GoF Design Patterns, Eclipse, AWT/Swing, Visual Studio 6.0/.NET, .NET Framework, Apache, IIS, Tomcat, Bind, DjB DNS, MS Visio, vi/vim, emacs**
 - Operating Systems: **Windows XP/200X/9X, FreeBSD, Linux(Gentoo, Ubuntu)**, Cisco IOS
 - Databases: **MySQL**, Oracle, Microsoft SQL Server, PostgreSQL
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EXPERIENCE

Security Management Partners, Software Engineer/Software Developer *Dec. 2006 - Present*

- Contracted to fix and add new features to a Microsoft Windows C# desktop application.
- Project parses XML output from other software. Data is normalized and stored in a PostgreSQL database.
- Reports are generated, displayed, and exported in HTML format.
- Required refactoring and reusing a majority of code to enable future features to be added. Minimal documentation required UML documents to be generated from the code.

Internet Marketing Center of Canada, Software Engineer/Software Developer *Feb. 2005 - Present*

- Complete site creation, *SavingYouBig.com*
- Initially contracted to parse configurable delimited files into a MySQL database written in C++.
- Projects have been expanded to creating a price comparison web site, a corresponding administration page, as well as statistic generation projects on the site.
- Original parsing has been replaced by a new distributed client/server parsing project written in C++ using MySQL++, Boost, and Crypto++ libraries.
- Involved skills such as managing large MySQL databases (> 20GB), programming in C++, PHP, Perl, Java, as well as experience working with other developers and web designers.

Under the Sea Photographs and More, Software Engineer/Software Developer *May 2005 - Present*

- Brought on to create, host, and manage *UnderTheSeaPhoto.com*
- Project was developed as a shared architecture with the SavingYouBig.com site. A significant portion of the code was reused. Code was added to enable online purchasing of products.
- I currently host and maintain this project on a leased dedicated server running FreeBSD and Apache. I host DNS through a distributed DNS system with a web front end using the NicTool project.

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EXPERIENCE

CaseSync, Software Engineer/Software Developer

July 2005 - Oct. 2005

- Initial designer of the HMISDW, Homeless Management Information Strategies Data Warehouse, project.
- Project was a client/server program that needed to be written in Python. Client communication was performed with SOAP calls over SSL.
- Team development with programmers in other countries.
- Project fell under the HIPAA regulations where security was the top priority.

RIT Resnet, Residential Computing Consultant

Sept. 2003 - March 2004

- Provided desktop support for students and faculty.
- Technical support provided over the phone as well as physical repair to machines brought into the office.
- Typical repairs included internet connection settings, virus removal, hardware replacement, and data recovery for backup and restore.

Greylock Credit Union, IT Department

June 2002 - Sept. 2002

- Primary goal to deploy approximately 150 Windows XP desktop machines and 8 Windows 2000 domain controllers in different sites. Upgraded from an existing Windows NT 4.0 domain.
- Provided desktop support for employees and performed troubleshooting for software and network problems.

EDUCATION

Rochester Institute of Technology
BS Software Engineering and Management

Graduation Date: Nov 25, 2006
PFOS GPA: 3.0