

Eric Gach

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An accomplished Software Engineer specializing in Object-Oriented Design and Analysis with extensive experience in implementation of large-scale applications.

Summary of Qualifications

- ◆ Over 10 years of Object-Oriented Design and PHP Development experience with developing large-scale applications for several types of organizations.
- ◆ Strong knowledge of PHP ranging from 4.0 to the most recent version of the 5.3 branch.
- ◆ Strong knowledge of PHP and MySQL working together over an Apache web server (LAMP).
- ◆ Experience in developing large-scale and enterprise web applications including online banking and Search Engine Optimization (SEO).

Technical Expertise

Programming Languages: PHP, Python, JavaScript, AJAX, C#/C, Visual Basic, .NET

Markup Languages: HTML, CSS, XHTML, XML, Smarty

Systems: Linux (Gentoo, Debian, Ubuntu), Windows (2000, XP, Vista, 7)

Software: Apache, MySQL, PostgreSQL, SQLite, MS SQL Server, SyBase, Git, SVN, CVS, Crystal Reports, CakePHP, Zend Framework

Professional Experience

Essential Elements Project Manager

<http://www.essential-elements.net>
2009 - Current

Primary task is to build and maintain C# interfaces to several Point of Sale systems such as Restaurant Manager, Catapult, Volante and more.

- Project lead on Saint Lukes Hospital. Responsibilities are to take any issues with payroll interface or websites and delegate or fix them within a time period specified by how critical the issue is.
- Helped develop a purely Object-Oriented JavaScript self service kiosk using technologies such as XUL Runner and Ubuntu Linux as the base of the system.
- Built and implemented two new Ubuntu Servers for web servers. They sit behind a Barracuda load balancer that will proxy requests to either of the servers. This setup included a third server that is a file server shared between the two servers. All application uploads go to the file server so they are instantly available on both web servers.
- Installed Ubuntu/MySQL to 3 new servers to start multi-master replication. Also use <http://www.mysql-mmm.org/> for replication fail over support.
- Web interface written in PHP/MySQL to talk to C# program that provided remote updates and parsed raw CSV file of data returned by interface. PHP interface also allowed setting of schedules to tell the C# program to send new data from the POS system.
- Built vehicle maintenance tracking system using PHP and MySQL. System is used to track maintenance done to vehicles and alert mechanics of when maintenance is needed.

Noise Contract Developer

<http://www.noisemarketing.com/>
2009

To create and maintain existing pages within <http://www.chaseplus1.com/> site using CakePHP framework.

- Created FaceBook landing pages with tracking codes to show which landing pages were more popular.
- Created new Administrative section for site that included order processing and reporting.

**Digital Architecture
PHP Developer**

<http://www.acalog.com/>
2007 - 2009

To develop and maintain online catalog software. Software is built specifically with colleges and institutions in mind to make managing an online catalog with courses and programs user friendly and simple.

- PHP5 Diff – Object-Oriented class to parse output from system diff command and show changes in HTML documents to allow for version tracking.
- PHP5 Custom Sorting – Object-Oriented sorting solution that allowed for any items already existing within the application to be custom sorted by the customer.
- PHP5/MySQL - Implemented an Enterprise level into existing application. This included bringing some old legacy code to an Object-Oriented Design.

**EnvirOx
IT Specialist**

<http://www.h2orange2.com/>
2006 - 2007

To support any end users needs and trouble shoot software and hardware related problems. Also to make changes to and maintain various company websites.

- Crystal Reports/MS SQL – Generated basic reporting that included sales information and other necessary company information.
- Communicated between fellow employees and off-site hosting location to resolve issues and gain more control over website.
- Monitored and maintained server backup software for multiple servers.

**Reliable Communications
PHP Developer**

2002 - 2003

To design, develop, and maintain several company websites and create customer service programs to aide sales callbacks.

- Visual Basic – Callback program to help sales track needed callbacks using a MS SQL database.
- PHP/GD Banners – Advertising banners for company that were generated dynamically.

Personal Experience

SiTech Library

2006 - Current

A PHP5 based library to speed in the development of PHP applications. Current items include database wrappers, session wrapper, custom template solutions, and configuration parsers.

- PHP/PDO Wrapper – PDO wrapper to customize PDO even further and allow for extra functionality to be added to each database type supported.
- PHP Custom Template – Template engine based off PHP itself to take the HTML out of the code base.
- PHP Session Wrapper – Added extra functionality to sessions, making them more accessible, easier to maintain, and more secure.

My Gallery

2008 - Current

Simple gallery solution that allows browsing and maintenance of galleries. Galleries are based off of system folders and allow recursive browsing of each gallery.

- PHP/2AJAX Browser – Folder browser using AJAX to reduce server load when browsing directory structure.
- PHP/GD/FFMPEG – Support for multiple image and movie types with an included FLV player for movie files.

**SimpleIRC
Lead Developer**

2003 - Current

A simple implementation of the IRC protocol enabling ease of use for IRC. Includes existing software for an IRC bot and future support for a fully functional IRC client.

- PHP Bot – First implementation of SimpleIRC was written in PHP and included an IRC bot that served several channels for multiple types of lookups and searches.

- Python Implementation – Python version included same features as original PHP version but offered some newer features such as user tracking, reloading modules, and custom error tracking to prevent issues from killing the bot.

IrssiNotify
Lead Developer

2009 - Current

IrssiNotify is a client that connects to Irssi Proxy using the IRC protocol and acts as a message highlighter for Windows. It runs in the system tray and shows bubble alerts when a message is received that the clients nickname. The entire program is written in C# .NET with TCP Streams for the connection.