

Summary

Very adaptable iPhone developer with multi-faceted background that includes web, ActionScript, and Windows development, as well as graphic design and sound production.

Experience

Phalange Software – Developer January 2009 to Present.

- Wrote the **Stock Footage Film Festival** (<http://phalangesoftware.com/stockfootage>), an **iPhone** application that plays, navigates by index, and searches a library of videos, as well as allows users to post findings within the library to **Twitter**.
- Coded in **Objective-C 2.0**, using **Xcode** and **Interface Builder**. Wrote supplemental script in **Python** to generate a navigation tree **plist** from a flat **XML** file. Designed graphics in **Photoshop**. Used **git** for source control.
- Wrote **attneveryone** (<http://phalangesoftware.com/attneveryone/>), a status-updating RIA application that interacts with Twitter, AIM, Google Talk, and Facebook via **REST** and **XMPP**.
- Coded in **Actionscript 3.0** using **Flex**, using **SVN** for source control.

Voter Activation Network - Web Developer April 2009 to Present.

- Worked within a **IIS/SQL Server/ASP .NET** stack to maintain and extend enterprise scale political data management software products.
- Wrote a **WYSIWYG** drag-and-drop web form editor allowing users to freely position a variety of elements - some dynamically generated - within a form. Built in **Javascript**, **JQuery**, **CSS**, **HTML**, and **JSON**. Wrote the web service for the editor in **VB .NET**.

Hiatus

May 2008 to April 2009.

- Volunteered as a **Data Fellow** for the **Obama for America** campaign in Indiana. Helped deliver a historically Republican state to the Democratic Party.
- Analyzed databases with millions of records using **MySQL** and **Perl** to help make decisions about canvassing targets.
- Automated processes in **Perl** and **Greasemonkey** web-automation scripts in **Javascript** to save several person-days of manual effort.
- Implemented a web-based backup system for critical election day information on a **LAMP** stack.

GN ReSound – Senior Software Developer July 2004 to May 2008.

- Wrote code in **C++**, using **STL**, **ATL (COM)**, **MSXML 4.0 (DOM)**, **XPath**, and **MFC** in **Visual C++ 6.0**, **C#** in **Visual Studio 2005 and 2008**, and **SQL** in a **Firebird** database.
- **Rapidly prototyped** new UI designs in **Flash** for marketing approval and usability testing.
- Wrote and reviewed design documents and requirements documents for new features.

- Wrote a data graphing feature that provided extensive analysis of hearing device data.
- Researched **XML** parsing/editing and wrote a utility layer in C++ to shield other developers from having to deal directly with MSXML.

InstallShield Software Corporation – Software Developer
August 2000 to July 2004.

- Wrote code in **C++**, using **STL**, **ATL (COM)**, the **Win32 API**, and **MFC** in **Visual C++ 6.0 and 7.0** environments.
- Integrated the InstallShield DevStudio development environment into the Visual Studio .NET shell as part of a two-person team in a timeframe of three months using the then-sparsely-documented **Visual Studio Integration Program SDK**.
- Worked as part of a small team to merge together two major - and vastly different - flagship products in a short timeframe.

Education

Northwestern University, Evanston, IL

BS in Computer Science, 1999.

Skill Summary

Skill	Years Used	Last Used
Objective-C	1	Currently using
C++	8	Two years ago
ActionScript/Flex/Flash	3	Within the last year
Python	3	Currently using
Javascript	4	Currently using
JQuery	1	Currently using
JSON	1	Currently using
CSS	2	Currently using
HTML	10	Currently using
Photoshop	7	Currently using
Perl	3	Within the last year
PHP	4	Within the last year
SQL (MySQL, Firebird, Access)	6	Currently using
XML parsing	4	Currently using
C#	2	Within the last year
MFC	7	Two years ago
ATL	7	Two years ago

References

Available upon request.