

Weldon Whipple

Full Stack and Mobile Developer
<http://weldon.whipple.org>
weldon@whipple.org

Employment

iAppWriters, LLC, Orem, UT (CEO, November 2009-present)

Activities: Write iOS and Android apps in German and English (7 apps in App/Play Store)
Skills: Swift, Obj-C, Java, Kotlin, C, I18n/L10n, OOD/OOP, Unity-3d

BetterLinux, Provo/Orem, UT (Senior Developer, October 2010-April 2015) [Bluehost spinoff]

Activities: Full stack programming: Modify MySQL/MariaDB source code; write Apache modules; create cPanel backend hooks and web-based WHM plugins.
Skills: Linux, MySQL/MariaDB, cPanel, C, C++, Perl, HTML/CSS/YUI, Riak

Bluehost, Orem/Provo, UT (Senior Software Engineer, October 2008-October 2012, April 2015-May 2018)

Activities: Modify/patch MySQL for statistics and throttling. Write Apache modules and Spam Hammer greylisting daemon for Exim. Perl programming of Skynet/Freeside and HAL.
Skills: Linux, C, C++, Perl, Regex, Exim, Apache, PostgreSQL

Perfect Search Corporation, Orem, UT (Senior Programming Engineer, July 2007-October 2008)

Activities: Implement "nearness" operators including Soundex and Double Metaphone. Create web-based test, timing and verification tools.
Skills: C++, Perl, XML, XSLT, xalan, JavaScript, CSS, YAML, Apache, Windows, Linux, OOo

Lingotek, Provo, UT (Senior Software Engineer, January 2006-July 2007)

Activities: Implement natural language converters to extract translation units to XLIFF, then reassemble original documents in translated languages.
Skills: Java, Regex, XML, SAX, PHP, LAMP, OOo, XLIFF

NTT/Verio, Orem, UT (Software Dev Engineer III, September 2000-January 2006)

Activities: Maintain PWeb server platform. Maintain/upgrade/configure Sendmail on FreeBSD/Solaris VPSes. Internationalize Apache and Qmail. Modify/optimize web analytics engines.
Skills: C, C++, Java, Perl, Regex, Sendmail, Qmail, IMAP, Apache, FreeBSD, I18n/L10n

Whipple Website (Webmaster/Programmer/Researcher, January 1997-present)

Activities: Collect and input genealogical information. Design and implement front-end and mobile interfaces and backend scripts for whipple.org and genweb.whipple.org. Maintain iWhipple.org and related sites.
Skills: C, C++, Perl, Python, Regex, Apache, Swish-e, ged2html, GEDCOM, HTML5, CSS, Bootstrap

WordPerfect/Novell, Orem/Provo, UT (Senior Developer/Software Engineer, August 1992-September 2000)

Activities: Maintain and enhance WordPerfect for VM/370, AS/400, Windows. Create format filters for QuickFinder indexing. Write JNI interfaces between Java search APIs and C/C++ QuickFinder Engine.

IBM, Rochester, MN (Staff Programmer, December 1983-July 1992)

Activities: Program for AS/400, System/38, AIX, PC, Unix. Port The Integrated Reasoning Shell (TIRS) expert system to AS/400 from Unix.

Computer Science Education

- **University of Minnesota**, Minneapolis (M.S., Computer & Info. Science, 1991)
- **University of Nebraska**, Lincoln (B.S., Computer Science, 1983)

Skills

- iOS/Android mobile programming (Obj-C, Swift, Xcode, Java, Android Studio, SQLite, Unity-3d)
- Open source programming. (MySQL/MariaDB, Apache modules, File2XLIFF4j, greylstd)
- LAMP (Linux, Apache, MySQL/MariaDB, Perl/Python/PHP).
- Apache configuration, module development, tuning.
- Email (Sendmail, Exim, POP and IMAP) programming, configuration, customization and extensions.
- Regular expressions (Perl, Java, JavaScript, C/C++, Python, PHP)
- Web programming: Responsive Web Design, JavaScript, jQuery, Bootstrap, Yahoo User Interface (YUI)
- Internationalization (I18N) and localization (L10N) for CJK, German, ...
- SVN, Git, Jira, Bugzilla, Visual Studio, Net Beans, Eclipse, Android Studio, Xcode, Unity 3d, Emacs.
- TCP/IP networking (wired, wireless)
- Genealogical web site programming
- Foreign languages (best first): Japanese, German, French, Korean, Spanish, Italian, Latin, Chinese, Greek, Arabic