

Summary

Senior Software Engineer with web/ client application development experience at both large and small companies. Recent experience using Python and the Django Web Framework. Previous experience with Windows/ Microsoft-based technologies (MFC, Win32). Interest in web application/ service development.

Work Experience

Lookery, Inc – Cambridge, MA/ San Francisco, CA

Web Developer (2008 - 2009)

Worked on internal and external Web sites for the user-targeting startup; Developed site and services using Python, the Django web framework, and Amazon Web Services.

- Rebuilt website from a PHP-based system to one using the Django Web Framework.
- Integrated Amazon Web Service functionality using the Boto Python library.
- Built internal and user-facing information dashboards for business data reporting.
- Built a custom fork of Django-Paypal to support PayPal subscription checkouts.
- Developed scripts pertaining to database maintenance and for the importing and exporting of data from internal APIs.
- Configured new Amazon EC2 web server images using nginx as a front-end proxy and Apache serving Django using mod_wsgi.

Compete, Inc – Boston, MA

Senior Web Developer (2007 - 2008)

Working on internal and external Web sites; Developing in Python and on the Django Framework

- Rebuilt the Consumer Input website, converting from the Spyce platform to the Django Framework. (<http://consumerinput.com>)
- Led the architecture and development of the Compete Data Hub. (<http://datahub.compete.com>)
- Provided upkeep of the Compete click collection servers, troubleshooting system breakdowns and manually repairing systems as necessary.
- Implemented custom drop boxes via the Script.aculo.us JavaScript Framework for the Compete site. (<http://compete.com>)
- Developed Python library to interface with third party eCommerce system via Web Service APIs.

CA (Formerly Concord Communications) – Framingham, MA

Senior Software Engineer (2003 – 2007)

Developed and supported various Windows and web-based user interfaces.

- Redesigned eHealth Server Status page as a Java Servlet, outputting XML and XHTML via XSLT, periodically updating content via XMLHttpRequest (AJAX) calls.
- Designed and implemented improved toolbar and menu systems for OneClick for eHealth v2.0.
- Led compiler migration of OneClick for eHealth from Visual C++ 6.0 to Visual Studio .NET 2003.
- Contributed bug fixes and performance enhancements in the release push for the company's Windows-based administrative application, OneClick for eHealth v1.0.
- Collaborated with product management on designs, mockups, and timetables for development of next generation Application Response administrative interface.
- Updated product and installation branding for Application Response Agent, Application Response Web Console, Business Transaction Studio, and OneClick for eHealth products to adhere to CA corporate UI standards.
- Provided upkeep of Application Response administrative web interface, including fixes to the C++ backend and improving HTML/ JavaScript compatibility with Netscape/ Mozilla, Safari, and Opera web browsers.

Computer Associates – Islandia, NY

Software Engineer, Level 2 Support (2002 – 2003)

Provided developer-level customer support for the Allfusion ERWin Database Modeling suite.

- Using Visual C++, debugged issues and developed fixes for the user interface and reporting portions of the MFC-based data modeling application.
- Communicated with customers, development, and support team members regarding customer issues, related fixes and release timetables.
- Completed 10 week “Bootcamp” training program for new college recruits, with focus areas of C++, Java, XML, and Computer Associates product training.
- Wrote plans for quality assurance testing of the product’s toolbars, tooltips, menus, and keyboard shortcuts.

Side Projects

- **Owner – Ckelly.net** (2001 – Current) – Actively develop and maintain a personal site built on Python and the Django framework utilizing XHTML, CSS, and Semantic Web technologies.
- **Site Admin – Erincooks.com** (2006 – Current) – Modified existing Wordpress PHP XHTML templates, CSS, JavaScript, and Apache .htaccess files to site owner’s specifications. Incorporated plugins and Google AdSense banner code.

Skills

- Operating Systems: Microsoft Windows, Mac OS X, Linux.
- Applications: MS Visual Studio (6.0-2005), Clearcase, ClearQuest, Apache, Tomcat, (X)HTML, CSS, XML, XSLT, Subversion, Rally, Oracle 9i, MySQL, Visual SourceSafe, MS SQL Server, Git, nginx
- Programming: Python, JavaScript, C/C++, Java, PHP.
- Frameworks: Django, MFC, Win32, YUI, jQuery

Education

2002 - B.S. in Computer Science from Virginia Polytechnic Institute and State University, Blacksburg, VA.

For additional work experience as well as project information and examples, visit: <http://ckelly.net/projects/>