

Nicholas Reed O'Neill

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Front End Engineer

Combining expert knowledge of HTML, CSS and Javascript, I work to moderate the ground between designers and back end engineers and produce a result that is as focused on UI design as it is technically sound.

Core skills

HTML:

Clean, standards compliant markup. Interest and expertise with XHTML, HTML5, canvas and svg, validation, accessibility, templating (HTML::Template, Template Toolkit, Apache SSI)

CSS:

Compact, organized rule sets. Interest and expertise with validation, cross-platform support, frameworks (YUI Grids, Blueprint CSS, etc), user interfaces

Javascript:

Fast, reusable scripts. Interest and expertise with ajax, cross-platform support, performance, security, frameworks (jQuery, YUI, script.aculo.us, Prototype, etc), cross-domain transport

Content Management Systems:

Previously implemented front-end code in the following systems: Movable Type, TypePad, Wordpress, Blogger, Drupal

Working knowledge:

Python, Perl, Ruby, PHP, version control (CVS, SVN, Git), MySQL, Linux, command line

Professional Experience

Design Engineer, Six Apart, San Francisco, CA (October 2004 – September 2009)

- Planned and developed the conversion of the flagship hosted blogging platform from aging template system and proprietary Javascript framework to new template system and open source Javascript framework
- Planned and developed the front end to a centralized commenting system transported with Javascript across separate domains

- Contributed to the development of an internal framework to integrate development between templates, HTML, CSS and Javascript
- Mentored front end interns and new employees on current front end technologies and efficient use of core skills
- Produced code for advertising department that sees hundreds of millions of pageviews per month
- Worked with a small team to develop a completely new hosted blogging platform based on then-current web technologies
- Implemented numerous front end features for the flagship hosted blogging platform with minimal bug count post-release
- Worked with an outside design team to redevelop and expand an existing public web site and seamlessly transition between two web servers with minimal downtime

Independent Web Developer, Philadelphia, PA (February 2004 – October 2004)

- Developed blog templates for companies and individual bloggers in the top 100 blogs (in terms of traffic)
- Externally reviewed web security for a unreleased blogging platform, found and reported numerous vulnerabilities

Other skills and interests: Currently a third-year student pursuing a Bachelor of Science in Physics, productivity methods and tools, robotics, presentations and public speaking, extensive experience leading company-wide meetings

References available upon request