

William M Israel

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Skills

PHP (symfony 1.4, Zend Framework), jQuery, JavaScript, HTML, CSS, SQL (Oracle, MySQL), Java, Python, Perl, Groovy, C/C++, Regular expressions, Design patterns, Version control (git, SVN, Mercurial), Apache, Photoshop, Mac OS X, Linux/Unix, Windows

Experience

Programmer, iostudio, LLC (March 2011 - Present)

Nashville, TN

Act as Lead Developer for a small team of developers. Our largest client is the National Guard, and work includes the development of new features and maintenance for the National Guard's homepage (<http://www.nationalguard.com/>), various Facebook applications, as well as a number of "portal" websites for the National Guard. Other daily work includes development of websites for other clients, Facebook applications, and other internal projects.

Responsible for development/deployment guidelines and procedures, and ensuring that projects and features are developed correctly and on time. All work is performed using PHP (mostly symfony 1.4 and Silex), MySQL. Deployment environments include CentOS and Debian/Debian-based systems running Apache, and all code is versioned using git.

Other duties include performing code and design reviews, code refactoring, mentoring, performance testing, application design, application architecture, emergency problem solving, project estimation, new technology evaluation, production server migration, and interviewing potential candidates.

Contractor, Hooah Interactive (June 2010 - March 2011)

Nashville, TN

Daily responsibilities included front-end and back-end development of new features for an application that computerized the completion of medical forms and facilitated the sharing of those forms between health care providers and the National Guard. Also performed maintenance/refactoring and upgrades to existing features, provided mentoring, and server setup. All work done using PHP (with Zend Framework) and pure JavaScript/jQuery in multiple deployment environments (CentOS, Debian/Debian-based, Mac OS X).

Authored product documentation (in both reference and tutorial styles), as well as instructions for setting up development environments.

Enterprise Developer, Aclara PLS (Sept 2006 - June 2010)

St Louis, MO

Responsibilities included feature development, refactoring and redesigning of existing features for an application that provided automated meter reading to electric utility companies. Defect fixing/general application maintenance were also part of the daily responsibilities. All work was done in a distributed, Java 1.5/J2EE environment using WebLogic 9.2 and Oracle 10g.

*References available
upon request*

Designed two new user interfaces. One provided advanced reporting by capturing real-time data from the system, and was designed with cross-browser, standards-based HTML/CSS/JavaScript (jQuery) on top of Wicket/Guice. The second was a re-implementation of the existing interface in more a modern framework (Grails) under a cross-browser, CSS-based layout.

Refactored and redesigned the Service Disconnect feature. The redesign allowed for easier extension when new meter types were added and provided an easier-to-understand and maintain design based on the Template and Factory Method patterns.

Was involved in all aspects of development life-cycle, from writing high- and low-level design documents to defect fixing, unit/integration testing, and long-term maintenance. All code was written using test-driven development; gave and received code reviews to maintain code quality; and worked in teams ranging in size from 2 to 30+ people. Was part of the small group that defined the team's development, testing, and review standards and processes.

Contractor/Developer, Hilton Hotels, Corp (July 2005 - July 2006) Memphis, TN

As part of a medium-sized (10+) team that created a web service-driven meeting room inventory system, designed and implemented the user interface with cross-browser, standards-based HTML/CSS/JavaScript (jQuery). The interface was written in Java 1.5 (with Spring MVC and JSTL), and a Perl/SOAP web-service retrieved data. Ajax provided a richer, more responsive user experience.

Other projects included small Perl-based web apps to perform repetitive tasks (such as parsing input documents and providing metrics on the data within), a web service that allowed guests to select items to be waiting for them in their room upon arrival, and redesigning the internal time reporting application used by contractors within the group.

IT Department RSAP, Rhodes College (May 2004 - May 2005) Memphis, TN

Created the Computer Depot and managed 9 student IT workers. The Depot specialized in troubleshooting and fixing hardware and software problems for the entire student body. Was responsible for scheduling, mentoring, overseeing the day-to-day operations, and for researching/finding new methods for fixing new problems as students brought them in.

Personal and Side Projects

Co-Founder/Managing Editor, Tuneage (Feb 2008 - Present)

Starting as a simple way to share music, Tuneage has grown to involve 11 writers with a following of almost 200,000 readers. Tuneage is one of the Top 100 music blogs on the internet, according to The Hype Machine.

Consultant, Aclara, PLS (February 2011 - Present)

Performed code reviews and provided technical direction for the front-end developers to ensure design and patterns in use were correct for the needs of the application.

Conducted phone interviews to ensure applicants were technically proficient enough to warrant an in-person interview, and wrote front-end coding guidelines and a HTML/CSS/JavaScript style guide.

American Heart Association PULSE Board Member (2011)

Served on the sub-committee responsible for brainstorming and implementing new ways to engage the community and raise money to fund the AHA goals.

Education

BS, Computer Science, Rhodes College (August 2001 - May 2005)