ZHIBIN HUANG

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Technical Skills

Languages   PHP (ZEC, ZEND022796), UML, JavaScript, Ruby, ActionScript, HTML5, CSS3, SQL, Regex, JSON, XML.

Tools   Git, Vagrant, Composer, Npm, Gem, Bower, Yeoman, Grunt, Gulp, Sass, Jade, JSLint, Karma, Selenium, Travis CI, Jenkins, XDebug, Various browser debugging tools.

Libraries   WordPress, jQuery, Angular, Bootstrap, Rails, Mocha, Chai.

Skills   Design Patterns, Data Structures, Algorithms, Responsive Design, Workflow, A/B Testing, Data collection and analysis

Work Experience

Radii Production, 2010 - 2014

- Web application architecting, development, and maintenance
- Server management and shell scripting
- Technical research
- Documentation

Projects of Interests

Institutional Limited Partners Association

LPA Ratings Tool, 2011. An international scorecard PHP web application. I proposed a system design that supports conditional questions, instant saves, scoring system. As a core developer, I led a team of 3 members to implement the design. After launched, I continued on supporting this application, and developed add-on of third party portal access for temporary legal counsels. We gained a great trust from the client on building large implementation.

GP Economics Application, 2012. Excel base international business analysis PHP web application. I adapted the chain-of-responsibility pattern, designed an engine with an optimized excel and integrated Google chart for visual data analysis. At a result, I successfully led a team of 5 members to develop and launch it in 3 weeks.

General Partner Profile, 2013. An international online business portfolio network which is integrated with Euclid's ClearVantage (desktop Association Management Software) through XML communication. This integration speeded up the workflow in ILPA, and the online portfolio is used by thousands of paid members around the world.

Boys and Girls Clubs of Canada

Rogers Raising the Grade, 2012 - 2014. A national bilingual educational community with BuddyPress. Co-creator on e-learning modules. I continued on supporting it after launch, and developed add-on features which are integrated with various third party systems such as OpenBadge, Fluidsurvey and Google Analytics API. The program is widely used across Canada with thousands of registered users and increasing.

School Cents Online Module, 2014. A highly interactive e-learning module built using WordPress, Bootstrap, AngularJS and subtle parallax effects. Behind the scene, I worked closely with the designer and created an angular-shortcode system in WordPress which allows the designer to focus on simple HTML. Together with the team, we were able to give SRDC and BGCC a flexible platform for delivering various interactive content.

Radii Production

WordPress website, 2014. A business and blogging platform with WordPress 3.9.1. I worked closely with the designers and created a highly end-user-friendly bootstrap-supported editor, of which content is pre-compiled for search and performance, based on ACF (WordPress Advanced Custom Fields plugin). This solution fills the gap between traditional copywriter and modern website architect.

Data mining. Created various consolidated reports with log files, PHP, Mysql, or MSSQL.

Other Project

Life After High School, 2013. Proposed and implemented offline videos with python web service, and created a bash script to set up on hundreds of provided MacBooks for the need of national conferences. The creative enhancement successfully saves a significant amount of budgets in streaming videos through mobile network.

Personal Experience

Christmas Card series, 2010 - Present. Building 3D holiday card with JavaScript and CSS3 such as transform, transition and animation to demonstrate 3D modeling with animation in HTML.

Android Applications. Created and published 7 Android Applications in HTML with PhoneGap or native JAVA with SDK for exercising workflow on mobile development.

Events Organizer, 2014 - Present. Organizing offline study and hang out events on a weekly basis in a Chinese programmers community.