

Renoir Boulanger

Un geek social et Linuxien de nature

Resume

WEB DEVELOPER & OPERATIONS ENGINEER

Note: version française disponible (/cv)

Availability

Not available at the moment. Expected renewal date: August 2015

Summary

- **Currently under contract for the W3C/MIT**, the international Web standards organization
- **14 years of professional experience** in Web development
- **Zend Certified Engineer** PHP 5.3 (ZCE (<https://www.zend.com/en/yellow-pages/ZEND011184>))
- Experience in **building complex server infrastructure** and continuous deployment
- Experience in participating/releasing/deploying software as part of an open source community
- Very good knowledge of modern Web development practices: HTML5, CSS3, CSS Preprocessors (LESS, SASS, Compass), Quality tools, etc.
- Maintained notably WebPlatform.org (<http://webplatform.org/>), the **WWW** 25th anniversary site ⁸Web at 25 (<http://www.webat25.org/>)⁹ (2014), the «Union des Artistes» (<https://uda.ca/>) (2009), and the City of Sherbrooke (<http://www.ville.sherbrooke.qc.ca/>) (2005)
- Had training in Web Content Accessibility according to the WCAG 1, at the University of Montreal
- Built more than 150 Web sites between 2002 and 2009
- Built a proprietary CMS/static site generator using PHP 4 and MySQL (2001-2007)
- Bilingual (english, french)

Strengths

- Optimistic **quick learner**
- **HTML Markup architecture**
- **Good knowledge of JavaScript**, synchronous and asynchronous, both in node.js and client-side
- Automation geek, used various tools such as **Docker**, **Salt Stack**, and Cloud-Init
- GNU/Linux server management (user since 1998)

Tools and languages

Current Hotlist

Tools I'm currently working with.

- Salt Stack
- Varnish, NGINX
- ElasticSearch
- Vagrant, Docker, Docker Compose

Most experienced with

- PHP, HTML, CSS, Git
- MySQL/MariaDB and réplication
- Frameworks: Symfony2, BackboneJS, Twitter Bootstrap
- CSS Preprocessors: Compass, SASS, LESS
- vim, Sublime Text
- Linux Ubuntu, Debian, RedHat, Gentoo

Also worked with

- HHVM
- Puppet
- Installing Open-Stack
- PHP frameworks: symfony 1.x, Zend Framework, Kohana
- CMS: WordPress, MediaWiki, Drupal, MODx
- ⁸Frontend operations⁹ workflows with tools such as YUI Compressor and Apache Ant since 2007
- IBM WebSphere DataPower

Wanna see some code I've done?

You can look at my GitHub profile (<https://github.com/renoirb?tab=activity>).

Salt-Stack deployment scripts and workspace

In the last months I've reworked WebPlatform.org (<https://www.webplatform.org/>) server infrastructure and created a local workspace using Vagrant and VirtualBox.

Salt-Stack configuration scripts (will soon be) published at **webplatform/salt-states** (<https://github.com/webplatform/salt-states/>) and the **webplatform/ops** repository sets up a workspace for local development using *Vagrant* and *VirtualBox* (<https://github.com/webplatform/ops/>) easing the development workflow.

WebPlatform Accounts

Forked and deployed *Mozilla Firefox Accounts* (https://docs.webplatform.org/wiki/WPD:Projects/SSO/Adapt_Firefox_Accounts_for_WebPlatform) to provide decoupled Identity service for WebPlatform.org.

WebPlatform uses multiple separate Web applications such as WordPress, MediaWiki, an annotation system written in Python and a few others.

The objective of *WebPlatform Accounts* was to provide an Identity Provider system as a *source of truth* for other Web applications to gather information about a user and his/her session and synchronize locally its state.

You can see **How we implemented** in WebPlatform Docs wiki (https://docs.webplatform.org/wiki/WPD:Projects/SSO/How_we_implemented_it), there had been two clients developed, one for an annotation system (<https://notes.webplatform.org/stream>) that's in use on one of their specs (<http://www.w3.org/TR/annotation-model/>), another had been done for MediaWiki (<https://github.com/webplatform/mediawiki-fxa-ss0>). You can see the MediaWiki client in action in this screen capture (https://www.youtube.com/watch?v=rutwd1Z_1TE).

See some code:

- FxA content server (<https://github.com/webplatform/fxa-content-server/compare/master...webplatform:webplatform-customizations>)
- FxA auth server (<https://github.com/webplatform/fxa-auth-server/compare/master...webplatform:webplatform-customizations>)
- FxA profile server (<https://github.com/mozilla/fxa-profile-server/compare/master...webplatform:webplatform-customizations>) (note; we are using the profile server as the "source of truth")

Billing system

PHP coding sandbox

Generate bill with lines of items that can either be non-taxable, and taxable. It should support compound taxes in some situations such as for imported goods.

- Separation of concerns between Web Framework, and domain modelling
- Unit tests
- Object oriented

GitHub repository (<https://github.com/renoirb/testing-sandbox>)

RoughDraft.js

[A tool to] quickly create and prototype a full interactive HTML mock-up without duplicating markup, server-side loops/code, or having to source sample content.

Contributions:

- class name sequence generator. Assuming an element is part of a loop, if you add an attribute with a value that contains the string "alfa" (e.g. `<em class="foo-alfa" data-draft-repeat="3">foo`) it would generate subsequent nodes with expectable class names (e.g. `foo-alfa` , `foo-bravo` , `foo-charlie`) for the same HTML tree siblings
- Improved code to allow total offline use

GitHub pull requests; #9 (<https://github.com/ndreckshage/roughdraft.js/pull/9>), #14 (<https://github.com/ndreckshage/roughdraft.js/pull/14>)

In use:

You can look at a recent side-project "frontend style guide" (<https://sweetieandsweetie.com/styleguide/>) where I could mock up the full web application without any backend. Reminder; since RoughDraft rewrites the DOM, make sure you use "View Source" and NOT "Inspect element" from your web browser.

Keywords

Web, DevOps, CSS, Preprocessors, Git, OOCSS, HTML5, MySQL, Responsive design, progressive enhancement, WCAG, A11y, Accessibility, Micro formats, RDF, Best practices, Linux, Open source software, WebSphere DataPower, Continuous Integration, Continuous builds, SNMP, nagios, NGINX, SMTP, SpamAssassin, Exim, QMail, Postfix

Work experience

Developer Operations engineer

W3C/MIT, aug 2013 – current

Montreal, Quebec

The main part of my work at the WebPlatform.org (<http://webplatform.org>) is to maintain site stability, improve the site features, strengthen the site hosting and deployment infrastructure, act as a technical liaison with Open-source communities, and contribute to the success of the site.

Tools

Salt Stack, Vagrant, Grunt, MediaWiki, Git, NodeJS, ElasticSearch, BackboneJS, Firefox Accounts

JavaScript developer

TEKsystems, jun 2013 – aoug 2013

Montreal, Quebec

Develop JavaScript modules for an existing Web application managing user accounts for a client.

- Set in place processes and improved existing code to improve quality and automate migration into the client's infrastructure
- Built a few modules: AJAX communication layer, API communication management layer with an existing ODAF layer.

Web developer

Ericsson, feb 2012 – jun 2013 (consultant)

Montréal Québec

Participated in creating a provisioning Web application portal communicating with Web service endpoints, in various geographical locations.

The application had to manage: different time-zones, e-mail notifications. It also had to provide an harmonized experience with same service but different providers by creating an abstraction layer, and process the requests.

- Created a preliminary API w/ Symfony 2.1
- Coach Ericsson employees about the Web platform, development techniques and related established standards
- **Domain Modelling**, mapping use-cases into Software architecture reflecting it
- Server environment levels management; user acceptance, production, testing
- Database/Model migrations

Tools

Symfony2, Doctrine 2, Git, Sublime Text 2, LESS, Twitter Bootstrap, NodeJS, Puppet, Vagrant, jQuery, UnderscoreJS, Chef

Web developer, co-founder

Evocatio Solutions technologiques Inc., jan 2010 – feb 2012

Montréal, Québec

I was one of the founders of Evocatio and I had been part of the two first years. For some projects, we a team of ten developers.

Unfortunately I cannot outline some projects and clients due to non disclosure contracts.

Here is a list of deliverables I had to work sorted by theme:

Tasks

- Ensure projects are using W3C recommendations
- Front end development on various games and Web applications
- Modular HTML/CSS markup library elaboration

Projects

My contribution to the following projects also includes Frontend development

Amigo

Built a distinct front end component communicating with Microsoft SharePoint 2010. The application was a simple form input system using SharePoint's tracker feature. It was made with Visual Studio and Visual Basic .NET

Advisor mobile version for iPad

Mobile Web application targeted to the iPad giving Advisor.ca readers the ability to read the article while offline.

- Made using HTML5 and localStorage, and also CSS3 transitions and effects
- Created an article serialization module reading from the site's RSS feeds

See it in action (<http://dundee.advisor.ca/>)

Gift exchange Web application

Online christmas gift exchange game that we used during two consecutive years, changing the theme and the rules.

- **2010:** 40 different gifts, 40 participants. Each person had only 9 picks. See my blog article showcasing the 2010 variant (<https://renoirboulanger.com/blog/2010/02/realisation-dune-application-dechange-decadeau-avec-red-lagence-le-%C2%ABclub-echangiste%C2%BB-2009/>) (in french)
- **2011:** «*Échange pas très équitable*»; Winner of *Grenier d'Or* in the Interactive game category. One iPad, hidden in a specific christmas sock, four hints, 9 attempts.

Capital Magazine

Web version of the *Canadian Capital Magazine* using WordPress. The site is currently offline.

Buro de post

A mass e-mail notification system built using symfony 1.2 meant to send newsletters to the UDA members.

- System software analysis involving: Syslog, Postfix, unsubscribing, tracking, and how to manage e-mail «bounces»

UDA Website 2009 rewrite

There were two phases. In 2009, and in 2011. The first phase was to rebuild the site, and implement current features from the former version made in .NET C#, and add new features. All of the above was done within a very short time frame.

During the time I was part of the team, we worked on the following:

- Rebuild the member artist database search engine, allowing to find on various criteria: hair color, played music instrument, professional qualifications, etc.
- Public search engine indexing different type of documents: PDF, Word documents, parsed collective agreements, content from the CMS, etc.
- The artist managers can create artist selections and send them to producers
- The artist manages what the public, the managers, and the other artists can see on their profile

During the 2011 refactor, we also took the occasion to completely rebuild both the backend with symfony 1.x, and the markup from the previous XHTML markup into HTML5, without changing the site visuals and features.

Tools

WAI WCAG, Paper prototyping, Git, Balsamiq mockups, Adobe Photoshop, SMACSS, OOCSS, Twitter Bootstrap, Zurb Foundation, Apache Solr, Apache Tomcat, JavaScript, PHP, symfony 1.x, Atlassian Jira, Atlassian Confluence, HTML5Boilerplate, Netbeans, VirtualBox, Agile, Compass, SASS, SCSS, LESS, jQuery, HTML5, CSS3

Web integrator

Groupe Informatique TechSolCom Inc., *oct 2006 – aug 2009*

Montréal, Québec

Tasks

- Maintain TechSolCom's corporate image (2006-2009)
- Work with the User Experience Group focussing on Web integration and content accessibility
- Participate in various projects as a developer and manage their branding:
 - Namminik (2008)
 - TSCM, then rebranded as Beebox (2007,2009)
 - Some facebook games

Projects

TechSolCom Web site

- Built the 2007 version using Geranium CMS
- 2009 version was rebuilt with good care of the WCAG (<http://www.w3.org/WAI/intro/wcag>) recommendations

Namminik Project

First ⁸Agile⁹ project, acting as front end developer and interaction designer.

Built a home inventory Web application with JSF and some YUI components.

Beebox

Beebox is a Continuous Integration server. It was freely available as a J2EE binary to deploy. The product was used by TechSolCom's clients.

- Web integration using IBM Rational application development environment and IBM WebSphere portal
- Participated in the creation of a *Struts* tag library
- Participated in the user documentation
- Built the Web site (offline)

Site Finder

Participated in the web based back-office portal providing data to a outlet geo-location tool for iOS, the project was later was adapted for Desjardins as the ⁸Localisateur Desjardins⁹ (2009-2011).

System administration

- Managed multiple VMWare ESX and VMWare Server servers, and virtual machine instances
- Built a monitoring service using the SNMP protocol, centralized syslog server, and configured a Nagios monitoring service
- Managed and tested **SOA integration** patterns with the company's provided **IBM WebSphere DataPower** blade
- Built an SMTP e-mail relay server, using SpamAssassin, and other filtering technologies

Consulting

Jacob.ca

- Store locator utility
- Built XML schemas and XSL stylesheets and JavaScript clients
- Contact us form communicating to a cross-origin site endpoint

Téléfilm Canada

Integrated two Web application mockups, creating a theme for the YUI2 markup library

Tools

JSF, Struts, Agile, Ant, IBM WebSphere DataPower, Apache Tomcat, JDBC, SNMP, Maven2, Adobe Photoshop, WAI WCAG, Balsamiq mockups, XML, XSL, YUI2, Mootools, Debian Linux, RedHat Enterprise Linux, Confluence, Jira, jQuery, MySQL, JSON, WSDL, Subversion, CVS

Web integrator / PHP Developer

Câble Axion Digital Inc., *oct 2005 – nov 2006*

Magog, Québec

Câble Axion is a cable service provider. Their network coverage goes from Montreal South shore, follows the US borders, and go up until the Beauce area.

Projects

Corporate website

- Web integration from the Photoshop mockups
- Web development using PHP and MySQL on a custom made CMS (forking from *Geranium CMS*)

Microsoft Access database

- Automated report and support request generation, using Windows's clip-board to paste in an e-mail to the dispatcher
- Time sheet and intervention report views

Tools

SVN, MySQL, Adobe Photoshop, Microsoft Access

Web integrator / PHP Developer

Inexis solution web Inc., *feb 2003 – nov 2006* (Self employed)

Sherbrooke, Québec

Inexis solution web Inc., was a web development service provider. The company was working with many graphic design agencies around the Eastern Townships region allowing them to offer web development packages without having to hire the resources themselves.

- Web integration based on the provided Photoshop mockups
- Managed multiple PHPList instances, and created HTML e-mail templates
- Managed sites such as: City of Sherbrooke, the project ⁸Sherbrooke, Ville étudiante⁹, the regional county municipality of the Val Saint-François, Mont Bellevue, Hydro-Sherbrooke

Web applications

Géranium

Geranium was a web based content management and client relationship management system that Inexis Solution web was building.

- A custom made, proprietary, Content Management System made in PHP 4 and MySQL
- Built a wiki syntax parser
- Built an archive builder module, generating static HTML files, and zipping the original file being replaced
- Client Relationship management module

Consulting

Callio Technologies

Build printable reporting views that had to work with standards compliant AND Internet Explorer 6 within a *Macromedia ColdFusion* web application.

Evolubiz

Participated in a few of their OSCommerce modules and also upgraded their internal server infrastructure

Tools

CVS, Subversion, MySQL, Adobe Photoshop, CSS, HTML, Red Hat Linux 9

Miscellany

Certifications

- **2013 Zend Certified Engineer**
PHP 5.3 Certification link  (<https://www.zend.com/en/yellow-pages/ZEND011184>)
(<https://www.zend.com/en/yellow-pages/ZEND011184>)
- **2011 Security clearance** checked by PWGSC (<http://www.tpsgc-pwgsc.gc.ca/comm/index-eng.html>), required for all federal government providers
- **2007 IBM WebSphere DataPower SOA Appliance**
- **2008 Accessibilité du web** (WCAG 1) at the *Nazareth & Louis Braille* institute (University of Montreal)
- **2004 Linux System Administration General** (Brainbench Individual certification)

Awards

- **2011 ⁸Grenier d⁹Or⁹** a Web based Christmas season Gift Exchange game «**Échange pas très équitable**» with RED L⁹Agence (<http://agencered.ca/>)

Involvement

- *2011-2013*, Member of the board of directors W3Québec
- *2010-2012*, weekly meet-up with *devLAB Montreal*
- *2010*, Member of the organization of the Code-Fest zone during Make Web Not War, organized by Microsoft
- *2008-2010*, Unit leader, Scouts Canada

Published

- André Santanchè, (2013), in chapters *Markup architecture*, *Events*, et *Web Storage* in *Mobile development using web technologies focusing on games* (<http://dl.acm.org/citation.cfm?doid=2526188.2528541&preflayout=flat>). ACM (<http://www.acm.org/>) library
- Talk (in french) Comment évaluer le niveau de qualité d'un site web selon les techniques d'intégration web d'actualité (<https://speakerdeck.com/renoirb/comment-evaluer-la-qualite-dun-site-web-selon-les-techniques-dintegration-web-dactualite>), presented during 2013 WebIn, and also at 2013 Web à Québec (WAQ)
- Talk How to manage a big scale HTML/CSS project (<http://www.slideshare.net/renoirb/how-to-manage-a-big-scale-htmlcss-project>), given at Make Web Not War 2011
- devLAB: Montreal's latest developer meet-up (<http://www.webnotwar.ca/devlab-montreals-latest-developer-meetup/>) on Web Not War blog
- Co-written an article about Open source software and the impacts while starting out a business (in french) Logiciels libres en affaire (<http://www.rezopointzero.com/2010/11/24/rien-quune-question-de-gros-bon-sens/>)
- Video interviews with the speakers during 2011 ConFoo Web Techno Conference

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