Lucian Hontau

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Development and Systems Experience

Development	
	• **Clojure,** Luminus, Compojure, Ring
	• **Javascript**, **angular.js, jQuery**, underscore/lodash, npm, brunch, jasmine, bower
	• **PHP (Zend Certified Engineer)** and **HHVM, Zend Framework 1/2, Symfony 2, Silex,** Magento, Drupal, WordPress, phpunit, composer, Apache, nginx, Zend Server, memcached
	• **HTML5, CSS3, Bootstrap**, 960 Grid, HTML5 Boilerplate
	• AJAX, JSON, JSONP, REST, SOAP, CORS, XML, XSL/XSLT
	• **Data**: **SQL** (**MySQL, Postgres,** SQLite)**,** S3, Cloudfront
	• **Services**: Google, Facebook, Twitter, LinkedIn, **EC2, S3**, **RDS**, CloudFront, REST APIs
	• **GIT, SVN, Linux** and **FreeBSD** server administration
	• Other Languages: Python, C / C++, Perl, Bash, Pascal, VB / VBA
	• Linux (Ubuntu/Fedora), FreeBSD, OS X, Windows

Work Experience

03/2014 - Present	**Senior Software Engineer – Unified Compliance| Lafayette, CA** • Built multiple applications using **Clojure**, **PHP, JS**, and **MySQL** • Built a **Clojure** HTTP REST wrapper server around Stanford Core NLP using **Luminus** and **Compojure** (https://github.com/lucian303/corenlpd) • Worked on API, UI, and oAuth2 servers built on top of **Zend Framework 2**, **Javascript** (**ES6),** **Angular.js**, and **Bootstrap** running on **EC2, RDS, S3,** and other AWS. Used **ElasticSearch, Stanford Core NLP, memcached, karma, jasmine, lodash (underscore.js), d3, jQuery,** babel, git, vagrant, JIRA, Bitbucket, leiningen, composer, brunch, npm, bower • Built a natural language processing system on top of **Stanford Core NLP** to detect various parts of sentences and how they're used and match them against known sentences for classification • Fixed various scalability and performance issues with the API and UI by profiling and fixing problem areas. Implemented caching and replaced slow API components with more scalable ones. Worked on moving the API to **HHVM** • Working with **ElasticSearch** to provide fast, fuzzy, and custom search results • Introduced **ES6** for modern Javascript development using Babel
11/1998 - Present	**Owner – Lucianux	San Francisco, CA & Pennington, NJ** • See: http://lucianux.com/ and https://github.com/lucian303/ • **Working on consulting and open source projects** such as https://tripping.com/ and https://github.com/lucian303/corenlpd (Clojure REST HTTP Server for Stanford Core NLP) • Helped launch **Jeff Dunham's** store using **Magento**: http://www.jeffdunham.com/shop/ • Helped create the **SOAP API** and donation flow for: http://standup2cancer.org/
05/2013- 07/2013	**Senior Software Consultant (Contract) – Microsoft, Mountain View, CA 94043** • Built a new **Symfony 2** application and maintained multiple apps • Used **PHP**, **Symfony 2**, **Javascript**, **jQuery**, **PostgreSQL**, **HTML5**, **CSS** • Built a crawler and scraper in **PHP** for data gathering • Built **PostgreSQL** stored procedures to populate new data
10/2012- 02/2013	**Senior Software Engineer - Lead (Contract) – Malwarebytes	San Jose, CA, 94107** • Worked on an internal tool to help our researchers analyze new malware • Used **PHP** (**Symfony 2**), **Javascript** (**jQuery**), **CSS** (**Bootstrap),**Twig, **Composer**, **EC2, S3, DynamoDB, MySQL,** Hadoop and Hive through EMR
09/2012 – 11/2012	**Senior Software Engineer and Architect (Contract) – Genentech	South San Francisco, CA 94080** • Built a peer to peer and server based videoconferencing app using **PHP and Javascript, OpenTok, Silex, Backbone.js, Composer, RabbitMQ, MySQL** and deployed on **Heroku** • Built a **REST API** and architected the database • Rewrote the original proof of concept API in PHP from Python
01/2012 – 07/2012	**Senior Software Engineer (Contract) – Stella and Dot LLC	San Bruno, CA 94066** • Worked on adding new features, scaling, and fixing **Magento** (http://www.stelladot.com/)

	• Worked on new features on the core site and our API based infrastructure using **Zend Framework** • Used **PHP, Zend Framework, JavaScript, jQuery, MySQL, CSS,** AJAX, JSON, XML, SVN, Apache, Memcached, Varnish, Splunk, Jira, phpunit • Refactored modules to add new functionality and optimize queries to scale Magento
04/2011 – 12/2011	**Senior Software Engineer (Contract) – BitGravity, Inc.	Burlingame, CA 94010** • Worked on the dashboard web app building new features for customers • Used **PHP, JavaScript, YUI, MySQL, CSS,** AJAX, JSON, XML, SVN, Apache, Lighttpd, Memcached, Spock Proxy, FreeBSD, Trac, PHPUnit, Jenkins, Capistrano • Integrated **Zend Framework** into the existing custom MVC framework • Worked with giant, sharded MySQL databases
03/2011 – 05/2011	**Lead PHP Engineer (Contract) – Genentech	South San Francisco, CA 94080** • Improved an internal application for hiring contractors by adding new features, debugging, speeding up queries, and refactoring code (**PHP, Javascript, FileMaker, IIS**) • Introduced source control (**SVN**) and a standard release process as well as development and production environments • Planned a complete refactoring of the legacy app
05/2010 – 02/2011	**Lead UI Engineer (Contract) – TheFind Inc.	San Francisco, CA 94104** • Worked on building **TheFind's REST API,** frontend, and features supporting mobile development • Worked with two custom **MVC** frameworks and **Zend Framework** porting features from old to new • Used **Javascript (jQuery), MySQL, HTML5,** CSS3, AJAX / JSON, XML, Smarty, SVN, Git, Trac • **30 million unique hits a month**
11/2009 – 03/2010	**Software Engineer (Contract) – ReputationDefender (Reputation)	Redwood City, CA 94063** • Used **PHP 5** and two custom **MVC** frameworks, **Javascript (jQuery** / mooTools**), MySQL, XHTML, CSS,** AJAX / JSON, XML, Smarty, SVN, Bugzilla • Implemented **Facebook Connect** and **oAuth** with **LinkedIn** for parsing data • Implemented new features and ported functionality from the old to the new framework
07/2009 – 12/2009	**Senior Software Engineer / Chief Architect (Contract) - Tripping International	San Francisco, CA, 94129** • Created a travel social networking site to connect travelers wanting a more local experience with hosts having a spare couch or room • Architected, designed, and implemented the core web application: https://www.tripping.com/ using **PHP 5, Zend Framework, jQuery / jQuery UI, MySQL, XHTML, CSS,** AJAX / JSON, XML, external REST/SOAP APIs, MyBB and MyBB integration, APC • Set up and maintained the company's **CentOS** servers, **SVN**, **Mantis**, and the development and production server environments; built deployment, backup and other automation scripts
03/2009 – 07/2009	**Software Engineer (Contract) - Mercantila, Inc.	San Francisco, CA 94133** • Increased ad revenue almost **10x** in one month using **multivariate testing** • Worked on e-commerce stores, adding revenue driving features using **jQuery and jQuery UI** • Optimized the page load times by using **CloudFront** as a CDN and **Keynote** for monitoring
07/2008 – 03/2009	**Software Engineer - GoingOn, Inc.	San Francisco, CA 94107** • Developed socially enabled learning sites for UPenn: http://www.pennlpscommons.org/ • Used **PHP, Javascript, Drupal, CSS, XHTML, AJAX, XML, XSL, XSLT, JSON, MySQL** • Created a separate, fully **AJAX based UI** using **jQuery** and **jQuery UI** for administering Drupal
03/2008 – 06/2008	**Software Engineer (Contract) - LiveNation (SignaturesNetwork)	San Francisco, CA 94107** • Customized the front and backend of **Magento** into a business to business e-commerce platform • Used **PHP**, **Magento**, **Zend Framework**, **Javascript (jQuery)**, **MySQL 5**, XHTML, **CSS, XML**
06/2005 – 03/2008	**Senior Programmer / Developer - Olson Research Group, Inc.	Ewing, NJ 08618	Los Altos, CA 94022** • Led technical development for a small team • **PHP, Javascript, Perl, Python, MySQL, XHTML, CSS** • Managed **FreeBSD** and **Linux** web servers, including conducting migrations • Programmed hundreds of complex online applications using **Javascript, Perl, PHP**
10/2004 – 06/2005	**Assistant Scheduling Manager - The College of New Jersey	Ewing, NJ 08628** • Designed, implemented, deployed, and supported custom VBA applications

Education

• 20+ years self-taught development experience (started on an Apple II-E at the age of 12)
• Graduated from **Villanova University** in 2003 on a **Full Presidential Scholarship.** GPA: **3.49**
• Double Bachelor Degrees (B.A.H.): **Philosophy / Honors Program** (**Dean's List Status all four years**)