Lucian Hontau

Vancouver, WA | 415.938.7686

lucian303@gmail.com | http://www.linkedin.com/in/lucian303/ | http://lucianux.com/ | https://github.com/lucian303/

Development and Systems Experience

Development	
	• **Clojure, ClojureScript,** Luminus, Compojure, Ring, Reagent
	• **PHP (Zend Certified Engineer), Zend Framework 1/2, Symfony 2,** Silex, Magento, Drupal, WordPress, phpunit, composer, Apache, Zend Server
	• **Javascript**, **angular,** jQuery, underscore/lodash, npm, brunch, bower
	• **HTML5, CSS3, Bootstrap**
	• AJAX, JSON, JSONP, REST, SOAP, CORS, XML, XSL/XSLT
	• **SQL** (**MySQL, Postgres,** SQLite)**, Elasticsearch, Redis, Memcached,** S3, Cloudfront
	• **AWS** (EC2, S3, RDS, Beanstalk, etc), **Docker,** Nginx, Apache, Linux, FreeBSD, OS X, Windows, Git
	• Other Languages: C / C++, Perl, Bash, Pascal, VB / VBA, Python, Scala)

Work Experience

03/2014 - Present	**Senior Software Engineer – Unified Compliance| Lafayette, CA**
	• Worked on multiple GUI apps, APIs (including a public API), and other servers built on top of **Clojure**/**Luminus**, **PHP 7/Zend Framework 2**, **Javascript** (**ES6), Angular**, and **Bootstrap** running on **AWS.** Used **ElasticSearch, Docker, Stanford Core NLP, Redis, lodash (underscore.js),** beanstalkd, d3, jQuery**,** babel, git, JIRA, Bitbucket, leiningen, composer, brunch, npm, bower
	• Built two backend Clojure servers for Natural Language Processing with Stanford Core NLP using **Luminus** and **Compojure.** For the old, open-source version see: https://github.com/lucian303/corenlpd
	• Created and maintained a **scalable infrastructure on AWS** for multiple interdependent apps
	• Migrated all PHP systems from PHP 5 to 7
	• Migrated a live database from MySQL to Postgres to take advantage of native JSON support
	• 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 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/
	• **Worked 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**
	• Used **PHP**, **Symfony 2**, **Javascript**, **jQuery**, **PostgreSQL**, **HTML5**, **CSS** for a new backend app
	• Built a crawler and scraper in **PHP** for data gathering
10/2012- 02/2013	**Senior Software Engineer - Lead (Contract) – Malwarebytes	San Jose, CA, 94107**
	• Worked on an internal tool to help 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
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** as well as other apps (http://www.stelladot.com/)
	• Used **PHP, Zend Framework, JavaScript, jQuery, MySQL, CSS,** AJAX, JSON, XML, SVN, Apache, Memcached, Varnish, Splunk, Jira, phpunit
04/2011 – 12/2011	**Senior Software Engineer (Contract) – BitGravity, Inc.	Burlingame, CA 94010**

	• Used **PHP, JavaScript, YUI, MySQL, CSS,** AJAX, JSON, XML, SVN, Apache, Lighttpd, Memcached, Spock Proxy, FreeBSD, Trac, PHPUnit, Jenkins, Capistrano to build the main dashboard app • Integrated **Zend Framework** into the existing custom MVC framework and 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**), a standard release process, as well as development and production environments and other best practices
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 • Used **Javascript (jQuery), MySQL, HTML5,** CSS3, AJAX / JSON, XML, Smarty, SVN, Git, Trac to build the main site which had **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 to build various apps • Implemented **Facebook Connect** and **oAuth** with **LinkedIn** for parsing data
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 and maintained the company's servers • 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
03/2009 – 07/2009	**Software Engineer (Contract) - Mercantila, Inc. | San Francisco, CA 94133** • Increased ad revenue **10x** in one month using **multivariate testing** and optimizing load times • Worked on e-commerce stores, adding revenue driving features using **jQuery and jQuery UI**
07/2008 – 03/2009	**Software Engineer - GoingOn, Inc. | San Francisco, CA 94107** • Developed a socially enabled learning site for UPenn: http://www.pennlpscommons.org/ • Used **PHP, Javascript, Drupal, CSS, XHTML, AJAX, XML, XSL, XSLT, JSON, MySQL**
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 developing web surveys • Used **PHP, Javascript, Perl, Python, MySQL, XHTML, CSS** to develop apps and maintained servers
10/2004 – 06/2005	**Assistant Scheduling Manager - The College of New Jersey | Ewing, NJ 08628** • Designed, implemented, deployed, and supported custom Access databases

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**)