

# Lucian Hontau

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## Development and Systems Experience

Development	<ul style="list-style-type: none"><li>• <b>Clojure, ClojureScript</b>, Luminus, Compojure, Ring, Reagent</li><li>• <b>PHP (Zend Certified Engineer), Zend Framework 1/2, Symfony 2</b>, Silex, Magento, Drupal, WordPress, phunit, composer, Apache, Zend Server</li><li>• <b>Javascript, angular</b>, jQuery, underscore/lodash, npm, brunch, bower</li><li>• <b>HTML5, CSS3, Bootstrap</b></li><li>• AJAX, JSON, JSONP, REST, SOAP, CORS, XML, XSL/XSLT</li><li>• <b>SQL (MySQL, Postgres, SQLite), Elasticsearch, Redis, Memcached</b>, S3, Cloudfront</li><li>• <b>AWS</b> (EC2, S3, RDS, Beanstalk, etc), <b>Docker</b>, Nginx, Apache, Linux, FreeBSD, OS X, Windows, Git</li><li>• Other Languages: C / C++, Perl, Bash, Pascal, VB / VBA, Python, Scala)</li></ul>
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## Work Experience

03/2014 - Present	<b>Senior Software Engineer – Unified Compliance   Lafayette, CA</b> <ul style="list-style-type: none"><li>• Worked on multiple GUI apps, APIs (including a public API), and other servers built on top of <b>Clojure/Luminus, PHP 7/Zend Framework 2, Javascript (ES6), Angular</b>, and <b>Bootstrap</b> running on <b>AWS</b>. Used <b>ElasticSearch, Docker, Stanford Core NLP, Postgres, MySQL, Redis, Iodash (underscore.js)</b>, neo4j, beanstalkd, d3, jQuery, babel, git, JIRA, Bitbucket, leiningen, composer, brunch, npm, bower</li><li>• Built two backend Clojure servers for Natural Language Processing with Stanford Core NLP using <b>Luminus</b> and <b>Compojure</b>. For the old, open-source version see: <a href="https://github.com/lucian303/corenlpd">https://github.com/lucian303/corenlpd</a></li><li>• Created and maintained a <b>scalable infrastructure on AWS</b> for multiple interdependent apps</li><li>• Migrated all PHP systems from PHP 5 to 7</li><li>• Migrated a live database from MySQL to Postgres to take advantage of native JSON support</li><li>• Built a natural language processing system on top of <b>Stanford Core NLP</b> to detect various parts of sentences and how they're used and match them against known sentences for classification</li><li>• 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.</li><li>• Worked with <b>ElasticSearch</b> to provide fast, fuzzy, and custom search results</li><li>• Introduced <b>ES6</b> for modern Javascript development using Babel</li></ul>
11/1998 - Present	<b>Owner – Lucianux   San Francisco, CA &amp; Pennington, NJ</b> <ul style="list-style-type: none"><li>• See: <a href="http://lucianux.com/">http://lucianux.com/</a> and <a href="https://github.com/lucian303/">https://github.com/lucian303/</a></li><li>• <b>Worked on consulting and open source projects</b> such as <a href="https://tripping.com/">https://tripping.com/</a> and <a href="https://github.com/lucian303/corenlpd">https://github.com/lucian303/corenlpd</a> (Clojure REST HTTP Server for <b>Stanford Core NLP</b>)</li><li>• Helped launch <b>Jeff Dunham's</b> store using <b>Magento</b>: <a href="http://www.jeffdunham.com/shop/">http://www.jeffdunham.com/shop/</a></li><li>• Helped create the <b>SOAP API</b> and donation flow for: <a href="http://standup2cancer.org/">http://standup2cancer.org/</a></li></ul>
05/2013-07/2013	<b>Senior Software Consultant (Contract) – Microsoft, Mountain View, CA 94043</b> <ul style="list-style-type: none"><li>• Used <b>PHP, Symfony 2, Javascript, jQuery, PostgreSQL, HTML5, CSS</b> for a new backend app</li><li>• Built a crawler and scraper in <b>PHP</b> for data gathering</li></ul>
10/2012-02/2013	<b>Senior Software Engineer - Lead (Contract) – Malwarebytes   San Jose, CA, 94107</b> <ul style="list-style-type: none"><li>• Worked on an internal tool to help researchers analyze new malware</li><li>• Used <b>PHP (Symfony 2), Javascript (jQuery), CSS (Bootstrap), Twig, Composer, EC2, S3, DynamoDB, MySQL</b>, Hadoop and Hive through EMR</li></ul>
09/2012 – 11/2012	<b>Senior Software Engineer and Architect (Contract) – Genentech   South San Francisco, CA 94080</b> <ul style="list-style-type: none"><li>• Built a peer to peer and server based videoconferencing app using <b>PHP and Javascript, OpenTok, Silex, Backbone.js, Composer, RabbitMQ, MySQL</b> and deployed on <b>Heroku</b></li><li>• Built a <b>REST API</b> and architected the database</li></ul>
01/2012 – 07/2012	<b>Senior Software Engineer (Contract) – Stella and Dot LLC   San Bruno, CA 94066</b> <ul style="list-style-type: none"><li>• Worked on adding new features, scaling, and fixing <b>Magento</b> as well as other apps (<a href="http://www.stelladot.com/">http://www.stelladot.com/</a>)</li><li>• Used <b>PHP, Zend Framework, JavaScript, jQuery, MySQL, CSS, AJAX, JSON, XML, SVN, Apache, Memcached, Varnish, Splunk, Jira, phunit</b></li></ul>
04/2011 –	<b>Senior Software Engineer (Contract) – BitGravity, Inc.   Burlingame, CA 94010</b>

12/2011	<ul style="list-style-type: none"> <li>Used <b>PHP, JavaScript, YUI, MySQL, CSS</b>, AJAX, JSON, XML, SVN, Apache, Lighttpd, Memcached, Spock Proxy, FreeBSD, Trac, PHPUnit, Jenkins, Capistrano to build the main dashboard app</li> <li>Integrated <b>Zend Framework</b> into the existing custom MVC framework and worked with giant, sharded MySQL databases</li> </ul>
03/2011 – 05/2011	<b>Lead PHP Engineer (Contract) – Genentech   South San Francisco, CA 94080</b> <ul style="list-style-type: none"> <li>Improved an internal application for hiring contractors by adding new features, debugging, speeding up queries, and refactoring code (<b>PHP, Javascript, FileMaker, IIS</b>)</li> <li>Introduced source control (<b>SVN</b>), a standard release process, as well as development and production environments and other best practices</li> </ul>
05/2010 – 02/2011	<b>Lead UI Engineer (Contract) – TheFind Inc.   San Francisco, CA 94104</b> <ul style="list-style-type: none"> <li>Worked on building TheFind's REST API, frontend, and features supporting mobile development</li> <li>Used <b>Javascript (jQuery), MySQL, HTML5, CSS3, AJAX / JSON, XML, Smarty, SVN, Git, Trac</b> to build the main site which had <b>30 million unique hits a month</b></li> </ul>
11/2009 – 03/2010	<b>Software Engineer (Contract) – ReputationDefender (Reputation)   Redwood City, CA 94063</b> <ul style="list-style-type: none"> <li>Used <b>PHP 5</b> and two custom <b>MVC</b> frameworks, <b>Javascript (jQuery / mootools), MySQL, XHTML, CSS</b>, AJAX / JSON, XML, Smarty, SVN, Bugzilla to build various apps</li> <li>Implemented <b>Facebook Connect</b> and <b>oAuth</b> with <b>LinkedIn</b> for parsing data</li> </ul>
07/2009 – 12/2009	<b>Senior Software Engineer / Chief Architect (Contract) - Tripping International   San Francisco, CA, 94129</b> <ul style="list-style-type: none"> <li>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</li> <li>Architected, designed, and implemented the core web application: <a href="https://www.tripping.com/">https://www.tripping.com/</a> using <b>PHP 5, Zend Framework, jQuery / jQuery UI, MySQL, XHTML, CSS</b>, AJAX / JSON, XML, external REST/SOAP APIs, MyBB and MyBB integration, APC</li> </ul>
03/2009 – 07/2009	<b>Software Engineer (Contract) - Mercantila, Inc.   San Francisco, CA 94133</b> <ul style="list-style-type: none"> <li>Increased ad revenue <b>10x</b> in one month using <b>multivariate testing</b> and optimizing load times</li> <li>Worked on e-commerce stores, adding revenue driving features using <b>jQuery and jQuery UI</b></li> </ul>
07/2008 – 03/2009	<b>Software Engineer - GoingOn, Inc.   San Francisco, CA 94107</b> <ul style="list-style-type: none"> <li>Developed a socially enabled learning site for UPenn: <a href="http://www.pennlpscommons.org/">http://www.pennlpscommons.org/</a></li> <li>Used <b>PHP, Javascript, Drupal, CSS, XHTML, AJAX, XML, XSL, XSLT, JSON, MySQL</b></li> </ul>
03/2008 – 06/2008	<b>Software Engineer (Contract) - LiveNation (SignaturesNetwork)   San Francisco, CA 94107</b> <ul style="list-style-type: none"> <li>Customized the front and backend of <b>Magento</b> into a business to business e-commerce platform</li> <li>Used <b>PHP, Magento, Zend Framework, Javascript (jQuery), MySQL 5, XHTML, CSS, XML</b></li> </ul>
06/2005 – 03/2008	<b>Senior Programmer / Developer - Olson Research Group, Inc.   Ewing, NJ 08618   Los Altos, CA 94022</b> <ul style="list-style-type: none"> <li>Led technical development for a small team developing web surveys</li> <li>Used <b>PHP, Javascript, Perl, Python, MySQL, XHTML, CSS</b> to develop apps and maintained servers</li> </ul>
10/2004 – 06/2005	<b>Assistant Scheduling Manager - The College of New Jersey   Ewing, NJ 08628</b> <ul style="list-style-type: none"> <li>Designed, implemented, deployed, and supported custom Access databases</li> </ul>

## 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)**