

Lucian Hontau

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Development and Systems Experience

Development

- **Clojure, ClojureScript**, Luminus, Compojure, Ring, Reagent, Re-frame
- **PHP (Zend Certified Engineer), Zend Framework 1/2, Symfony 2**, Silex, Magento, Drupal, WordPress, phunit, composer, Zend Server
- **Javascript, angular**, jQuery, underscore/lodash, npm, brunch, bower
- **HTML5, CSS3, Bootstrap**
- **SQL (MySQL, Postgres, SQLite), Elasticsearch, Redis, Memcached**, S3, Cloudfront
- **AWS** (EC2, S3, RDS, Beanstalk, etc), **Docker, Nginx, Apache**, Linux, FreeBSD, OS X, Windows, Git
- AJAX, JSON, JSONP, REST, SOAP, CORS, XML, XSL/XSLT
- 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, ClojureScript/Reagent/Re-frame, PHP 7/Zend Framework 2, Javascript (ES6), Angular**, and **Bootstrap** running on **AWS**. Used **ElasticSearch, Docker, Stanford Core NLP, Postgres, MySQL, Redis, Iodash (underscore.js)**, neo4j, 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, phunit

04/2011 –

Senior Software Engineer (Contract) – BitGravity, Inc. | Burlingame, CA 94010

12/2011	<ul style="list-style-type: none"> 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	<p>Lead PHP Engineer (Contract) – Genentech South San Francisco, CA 94080</p> <ul style="list-style-type: none"> 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	<p>Lead UI Engineer (Contract) – TheFind Inc. San Francisco, CA 94104</p> <ul style="list-style-type: none"> 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	<p>Software Engineer (Contract) – ReputationDefender (Reputation) Redwood City, CA 94063</p> <ul style="list-style-type: none"> 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	<p>Senior Software Engineer / Chief Architect (Contract) - Tripping International San Francisco, CA, 94129</p> <ul style="list-style-type: none"> 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	<p>Software Engineer (Contract) - Mercantila, Inc. San Francisco, CA 94133</p> <ul style="list-style-type: none"> 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	<p>Software Engineer - GoingOn, Inc. San Francisco, CA 94107</p> <ul style="list-style-type: none"> 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	<p>Software Engineer (Contract) - LiveNation (SignaturesNetwork) San Francisco, CA 94107</p> <ul style="list-style-type: none"> 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	<p>Senior Programmer / Developer - Olson Research Group, Inc. Ewing, NJ 08618 Los Altos, CA 94022</p> <ul style="list-style-type: none"> 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	<p>Assistant Scheduling Manager - The College of New Jersey Ewing, NJ 08628</p> <ul style="list-style-type: none"> 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)**