

Lucian Hontau

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Development and Systems Experience

Skills

Programming:

- **Clojure / ClojureScript**, Pedestal, re-frame, kee-frame, reagent, Luminus, Compojure API, Ring, Spec, core.async, mount, etaoi, hugsq
- **PHP 8** (Zend Certified Engineer), Laravel, Laminas, Symfony, Wordpress, Magento, Drupal, phpunit, composer, php-fpm
- **C++ 20**, stl, juce, audio, gcc, clang, crossplatform (Linux/Mac/Win)
- **Javascript**, NodeJS, Vue, React, angular, HTML5, CSS3, jQuery, underscore/lodash, npm
- **SQL** (MySQL, Postgres, SQLite), Elasticsearch, Redis, Memcached

Cloud:

- AWS (EC2, S3, RDS, Beanstalk, ECS, Route 53, SQS, Elasticache, Elasticsearch, etc.), Digital Ocean, Linode, Vultr, Cloudflare, Hetzner

Systems:

- Docker, Docker Swarm, Ansible, Kubernetes, Nginx, Apache, KVM, Firecracker, OpenNebula, Linux, FreeBSD, OS X, Windows

API:

- REST, JSON, JSONP, AJAX, SOAP, CORS, XML, XSL/XSLT, RPC

Other:

- Java, Python, Perl, Bash, Pascal, Scala, VB, Git, Chat GPT, Local LLMs, Jira, Trello

Work Experience

12/2019 - Present

Owner / CTO - Incodepany LLC | Vancouver, WA

- **Bootstrapping a profitable company to six figure revenue** providing an app store for GPL WordPress plugins: <https://pluginsforwp.com/> and <https://pluginizer.com/>
- Built an **app store for GPL plugins** as a WordPress plugin using **Vue, Bulma, and Buefy** on the front end: <https://pluginsforwp.com/download-plugin-manager>
- Built systems for updating our products from various sources using **Clojure, Etaoin, and Puppeteer** to drive Chrome through Chromedriver

11/1998 - Present

Owner - Lucianux | Vancouver, WA

- **Building audio hardware using C++ and juce running on a single board computer and communicating with a microcontroller:** <https://phenotypemusic.com/>
- Designing the hardware and PCB
- Software consulting and contract work

03/2014 - 10/2022

Senior Software Engineer - Unified Compliance | Lafayette, CA / Las Vegas, NV (Remote)

- **Lead Engineer working with multiple teams to deliver multiple products**
- Hired and mentored engineers, doing code reviews, and helping others to achieve their fullest potential
- Worked on multiple GUI apps, APIs (including a public API), and other servers built on top of **Clojure/Luminus, ClojureScript/Reagent/Re-frame, PHP 5/7/8, Zend Framework/Laminas 2/3, Javascript (ES6), Angular, and Bootstrap running on AWS. Used Elasticsearch, Docker, Stanford Core NLP, Postgres, MySQL, Redis, lodash (underscore.js), SQS, neo4j, beanstalkd, d3, jQuery, babel, git, JIRA, Bitbucket, Leiningen, composer, brunch, npm, bower, xdebug, Blackfire.io**
- Introduced Clojure and built two backend Clojure servers as well as a new public API for Compliance and Natural Language Processing. Used **Stanford Core NLP** for NLP. Used **Luminus / Compojure API** for the first projects, then switched to **Pedestal** for the new API
- Created and maintained a **scalable infrastructure on AWS** for multiple interdependent apps
- Migrated all PHP systems from PHP 5 to 7 to 8
- Migrated a live database from MySQL to Postgres for 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
- Worked with **ElasticSearch** to provide fast, fuzzy, and custom search results

10/2012-02/2013

Senior Software Engineer - Lead (Contract) - Malwarebytes | San Jose, CA

- 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <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	Lead PHP Engineer (Contract) - Genentech South San Francisco, CA <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	Lead UI Engineer (Contract) - TheFind Inc. San Francisco, CA <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	Software Engineer (Contract) - ReputationDefender (Reputation) Redwood City, CA <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	Senior Software Engineer and Chief Architect (Contract, Remote) - Tripping Intl, San Francisco, CA <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	Software Engineer (Contract) - Mercantila, Inc. San Francisco, CA <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	Software Engineer - GoingOn, Inc. San Francisco, CA <ul style="list-style-type: none"> Developed a socially enabled learning site for the University of Pennsylvania Used PHP, Javascript, Drupal, CSS, XHTML, AJAX, XML, XSL, XSLT, JSON, MySQL
03/2008 – 06/2008	Software Engineer (Contract) - LiveNation (SignaturesNetwork) San Francisco, CA <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	Senior Programmer / Developer - Olson Research Group, Inc. Ewing, NJ Los Altos, CA <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

Education

- 20+ years professional, self-taught development experience
- Graduated from **Villanova University** with a B.A.H. on a **Full Presidential Scholarship**. GPA: **3.49**