Lucian Hontau

Vancouver, WA | (415) 857-1403

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

Development and Systems Experience

Skills	
	Programming:
	• **Clojure / ClojureScript, Pedestal, re-frame, kee-frame, reagent, Luminus, Compojure API, Ring, Spec, core.async, mount, etaoin, hugsql**
	• **C++ 20**, stl, juce, audio, gcc, clang, crossplatform (Linux/Mac/Win)
	• **PHP 8** (Zend Certified Engineer), Laravel, Laminas, Symfony, Wordpress, Magento, Drupal, phpunit, composer, php-fpm
	• **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
	Systems:
	• Docker, Ansible, Nginx, Apache, KVM, Firecracker, Linux, FreeBSD, OS X, Windows, Git
	API:
	• REST, JSON, JSONP, AJAX, SOAP, CORS, XML, XSL/XSLT, RPC
	Other:
	• Java, Python, Perl, Bash, Pascal, Scala, VB

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** • Mentored engineers, doing code reviews, and helping others to achieve their fullest potential • Hired contractors and engineers to build up our teams • 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 Compliane 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. Starting migration to PHP 8 • 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 • 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 –	**Senior Software Engineer and Architect (Contract) – Genentech	South San Francisco, CA**

11/2012	• 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** • 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** • 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** • 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** • 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** • 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** • 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** • 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** • 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** • 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** • 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 self-taught development experience
- Graduated from **Villanova University** with a B.A.H. on a **Full Presidential Scholarship.** GPA: **3.49**