

# LUKE SAINT

## Curriculum Vitae

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## Web Developer

I am a dedicated web developer with a broad skillset that enjoys all aspects of web development: from the designing of technical solutions and application development, to working directly with clients to understand project requirements, and plan their development. For the past few years I've been working within both agency and technology environments alike, and enjoy the open communication and collaborative efforts that go into servicing stakeholders' requirements.

My core skills lie in PHP based web development, with platforms such as Magento, Drupal, and WordPress, and web application and API development with frameworks such as Symfony and Zend Framework. In addition to strong front and backend development skills, I am also well experienced with system administration and deployment, and have more recently enjoyed working on implementing big data solutions to utilise the power of centralised business data.

## Skills Summary

### BACKEND DEVELOPMENT

PHP & MySQL  
PHPUnit  
Elasticsearch  
Symfony 3  
Zend Framework 1 / 2  
RabbitMQ  
Doctrine 2  
Magento  
WordPress / Roots Bedrock  
Drupal  
Composer  
Varnish / Redis / Memcached  
CDN Integrations  
GIT

- Object Orientated PHP, working with frameworks such as Symfony, Zend Framework, and CMS platforms such as Magento, WordPress and Drupal.
- Strong skills in working with MySQL, writing efficient queries, optimising queries, and using ORM database layers such as Doctrine.
- Use of queuing systems such as RabbitMQ for the parallelisation of jobs needing to process tasks of high frequency.
- Setup of Elasticsearch, Filebeat, and Logstash for the ingestion of big data.
- Strong use of quality control tools such as PHP Code Sniffer and PHPMD to ensure consistent coding standards and high quality documentation.
- Strong skills in unit and functional testing, it's integration into pipeline deployments, and the use of test coverage tools to ensure high codebase test coverage and reliable automated deployments.
- Configuration of caching solutions, both server-side using Varnish, Redis and Memcached, and integrations with CDN services such as CloudFlare.
- Use of Composer to manage PHP modules and project dependencies.
- Strong Git skills, and the use of repository management processes such as peer reviews, and the integration of branching techniques with Jenkins.

### CONTINUOUS INTEGRATION

Jenkins CI  
Codeception  
PHP Code Sniffer  
Selenium  
ANT

- Setup and configuration of Jenkins continuous integration servers, and pipeline deployments across development and production environments.
- Configuration of unit, functional and acceptance tests, and their integration with third party selenium servers such as SauceLabs and Browser Stack.
- Configuration of ANT QA tests with tools such as PHPCS and PHPLint.
- Configuration of integrations between Jenkins and Slack channels.

### DEV-OPS

Google Cloud Platform / Azure  
Kubernetes / Helm / Docker  
Prometheus / Alertmanager  
Elasticsearch / Cerebro  
Grafana / Kibana  
CentOs / Ubuntu  
Apache / NGINX  
SSL Configuration  
PHP FPM & MySQL  
Varnish / Redis / Memcached  
Capistrano / Deploy HQ  
Ansible / Vagrant

- Setup, management, and monitoring of Kubernetes clusters.
- Dockerisation of applications, and their deployment to Kubernetes clusters.
- Configuration of monitoring systems and their integration into alerting and incident management systems.
- Provisioning and management of application services and networking components on cloud based infrastructure providers.
- Fine tuning of NGINX and Apache web server configurations.
- Implementation of multi layered caching solutions utilising combinations of Redis, Memcached, Varnish, and NGINX reverse proxies.
- Optimisation of SSL configurations to reduce SSL negotiation times.
- Setup, management, and monitoring of Linux based systems.
- Use of technologies such as Ansible and Vagrant to automate server configuration deployment for development and production environments.
- Configuration of both self-hosted and third-party deployment tools, and their integration into the CI systems and development processes.

## FRONT-END DEVELOPMENT

HTML5 / CSS3

AngularJS

Zurb Foundation

Bootstrap

jQuery

Highcharts / Highmaps

vis.js

Dojo Toolkit

Modernizr

SASS / LESS

Grunt / Gulp

NPM

Bower

Photoshop / Illustrator

inVision App

Gliffy

- Use of front-end JavaScript and CSS frameworks such as AngularJS, Zurb Foundation, Bootstrap, Dojo Toolkit, jQuery, and detection libraries such as Modernizr.
- Implementation of charting libraries such as Highcharts, Highmaps, and vis.js for big data metric visualisations in the form of interactive charts, geo maps and network diagrams.
- Strong use of modern CSS3 techniques and CSS pre-processors such as Sass / LESS.
- Extensive use of Grunt, Yeoman, Node Packages, and Bower Components to automate and standardise compilation and front-end performance optimisation.
- Use of structured data formats such as Microdata and Open Graph for improved SERPs and social media integration.
- Optimisation of codebases and assets to ensure fast page load speeds through image replacement techniques and CDN caching configuration.
- Use of font icon sets and custom icon generation tools such as Fontello, IcoMoon, Font Awesome, Ionicons, and Zurb Foundation Icons.
- Collaboration with designers using Photoshop, Illustrator, and Sketch, and mockup tools such as inVision App, and wire-framing tools such as Gliffy.

## FRONT-END TESTING

Codeception

BackstopJS / PhantomJS

Selenium

VirtualBox

Sauce Labs / BrowserStack

Visual Website Optimizer

Hot Jar

Litmus

- Use of VirtualBox VMs for cross-platform browser testing, in addition to physical device testing using Grunt tools such as Browsersync.
- Writing of acceptance tests for website user journeys with test frameworks such as Codeception.
- Use of BackstopJS and PhantomJS to integrate layout regression testing into CI deployment pipelines.
- Integration of front-end tests with third party services such as Sauce Labs and BrowserStack for access to a wider range of devices and browsers.
- Continual usability optimisation and A/B testing using session recording and manipulation tools such as Visual Website Optimiser and Hotjar.
- Integration of page speed APIs to ensure high quality front-end experience.
- Use of cloud email marketing test tools such as Litmus to ensure high cross-device compatibility of email marketing campaigns.

## SEO

Google Analytics / Search

Console

Raven Tools / MOZ / SEMRush

Screaming Frog

WebPagetest API

- Use of analytical, and site crawling tools to spot potential technical issues and ensure web projects adhere to ever-evolving web standards and practices.
- Collaboration with PPC departments to ensure that conversion points are correctly tracked, for both PPC and offline media campaigns.

## PROJECT MANAGEMENT

Jira

Trello

Confluence

Gliffy

BitBucket

GitLab

Basecamp

Slack

- Use of project management tools such as Jira and Trello for the management of technology projects through the use of Scrum and Kanban boards.
- Use of repository managers such as BitBucket, GitLab, and GitHub and the implementation of peer review processes, and their integration into both project management and CI systems alike.
- Use of documentation tools such as Confluence, and it's diagramming tools to plan project timelines, application and infrastructure architecture design, and the documentation of application and infrastructure support information.
- Use of Slack and the integration of CI systems into team channels to increase automation and streamline development, monitoring, and support processes.
- Use of project collaboration tools such as Basecamp for managing projects with large amounts of content provided directly by clients.

## Employment

### **SAP SE - Barcelona**

Technical Consultant - Contract  
November 2017 - Present

Main responsibilities at SAP involve consulting on a full-time basis for the digital branch of Nestlé España, on implementing SAP's CIAM solution: Customer Data Cloud. Day-to-day activities include the designing and building of technical solutions within Nestlé's Azure platform, to bridge the gap between the Customer Data Cloud product, and Nestlé's specific business requirements on managing consumer data inline with new European GDPR regulations.

### **Sky Plc - London**

DevOps Engineer - Contract  
August 2017 - November 2017

Within the Streaming DevOps team at Sky, my previous experience working within Sky's Monitoring Solutions department was utilised in assisting with the transition of Sky's Video on Demand product offerings to a cloud based infrastructure utilising containerised micro-services within Kubernetes clusters. My principle responsibility was to update monitoring processes to better suite dynamic containerised micro services by integrating Prometheus monitoring and alerting into Sky's existing alerting and incident management systems.

### **Sky Plc - London**

Web Developer - Contract  
October 2015 - August 2017

Main responsibilities within Sky Plc's Monitoring Solutions department involved developing methods of capturing realtime customer experience data, along with application performance metrics, and platform infrastructure health statuses, and ultimately displaying this data in the form of custom analytical tools and operational support dashboards. The development tasks behind this involve three main areas: maintaining an application layer that ingested realtime data into Elasticsearch clusters using queuing systems, continued development on a highly flexible PHP based REST API, allowing the data to be freely available to all departments within the company, and developing bespoke analytical tools and dashboards using JavaScript frameworks and charting libraries for use by various stakeholders and support teams across the business.

### **Hub MDP - Leeds**

Web Developer - Permanent  
August 2013 - September 2015

- [www.weberbbq.co.uk](http://www.weberbbq.co.uk)
- [www.strachan.co.uk](http://www.strachan.co.uk)
- [www.grillacademy.co.uk](http://www.grillacademy.co.uk)

Responsibilities at Hub MDP included front and backend development on both new build web projects, and the continued development, refinement and optimisation of long standing web projects managed by Hub MDP. Development tasks on web projects included email marketing builds, campaign specific subsections of sites and various methods of A/B testing and user journey analysis to improve website usability, and ultimately conversion rates. I was also responsible for introducing Hub MDP to continuous integration practices, and integrating them into their development process.

### **Deepblue Digital - Leeds**

Senior Web Developer - Permanent  
August 2012 - August 2013

- [www.asgardsss.co.uk](http://www.asgardsss.co.uk)

Responsibilities at Deepblue Digital included key involvement in pitching proposals to clients, writing up of project specifications, and the planning and development of E-commerce sites, brochure sites and Facebook Apps.

## Education

PETERBOROUGH REGIONAL COLLEGE  
2005 - 2007

B-Tech National diploma in Music Practice. I have always enjoyed music, both performance and composition, and very much enjoyed studying a course with a broad set of modules.

ROBERT MANNING TECHNOLOGY COLLEGE  
2000 - 2005

5 AS levels, including Art and Business Studies, and 14 GCSEs including ICT, Graphic Design, Art and Business Studies.

## Interests

I have many hobbies and interests; I enjoy writing, performing, and listening to music, and I very much enjoy dancing, specifically Lindy Hop (a type of 1930s swing dancing).