

Stephen Brooks

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Profile	<p>15 years experience working extensively with PHP, from version 4 to 7.2 and MySQL. Whether restructuring and evolving legacy code in to performant, clean, testable and scalable solutions while maintaining users interfaces and APIs or working on solid green field projects. Constantly looking for improved ways of retrieving and better approaches to organise and present data. Working with well known frameworks and bespoke ones, sharing code between projects using composer, training as a MySQL 5.1 DBA giving me better understanding of underlying data storage and exploring other storage mediums including Mongo, Redis & Hadoop.</p> <p>On the frontend exploring and keeping up to date with CSS tweaks, and JS improvements, playing with new ideas for presenting data interestingly and intuitively while still delivering information efficiently and maintaining support for older browsers.</p>
Core Skills	<p>PHP4/5&7, (Zend, Symphony 2-4, Laravel, Lumen, Doctrine), python, bash, JavaScript, JQuery, HTML5, CSS3, SASS, Jira, Git, GitHub, GitLab, Subversion, vagrant, homestead, composer, MySQL 5.x (5.1 Certified DBA), Mongo, Redis, Hadoop (certified systems administrator), vim</p>
Career History:	<p>SaveWaterSaveMoney May 2018 - Present <i>Senior Backend Engineer</i></p> <p>Primarily building and maintaining the backend infrastructure of the latest project version, symfony 3.3, working with the tech lead to provide support and remove tasks from his plate and help bring the main project and it sub branches back inline as well as maintaining older systems. Working with the team to build better SOLID and tested solutions, building out redundancy within the MySQL infrastructure and remove SPOFS. Primary project has been a savings engine for business which we broke down into front and backend objectives keeping close communication to ensure the two elements fit together snugly.</p> <p>Mobile Web Adz Ltd January 2013 – May 2018 <i>Lead Software Engineer</i></p> <p>Initially as the sole developer on the project, tasked with rejuvenating the internal management platform, building a scalable, tested, focused core framework to handle business logic and handle DML CRUD actions safely and securely. The solution, loosely based on Zend Framework, comprised of a Database adapter and query builder, Peer (active record), Model and Service layers, complimented with use of Ajax requests from the frontend to create a scalable and greatly more performant interface by optimising data throughput piece by piece while maintaining the functionality of the platform. This then became the platform on which new developments could be built.</p> <p>A year later the team expanded, requiring a greater emphasis on project management of tasks focusing on ensuring the team could deliver solid solutions within stated timescales, while being agile and flexible to change. At the peak, we had developers working across different time zones requiring my responsibilities to shift to putting together requirements, managing Jira tasks, code reviewing, QA, managing releases to production and continued development work. In order to help facilitate this we would have a daily standup over hangouts across teams in UK and Singapore.</p> <p>Vivo Rewards & VivoMe August 2012 – December 2012 <i>Senior Developer</i></p> <p>Developing complete product deliverables built upon the Zend framework running on Lighttpd, with a separate frontend codebase built entirely in html, CSS and JavaScript/JQuery. TDD using PHPUnit and Jenkins for continuous integration, JQuery for adding UX functionalities and managing Ajax requests between the</p>

	<p>front and back end implementations.</p> <p>Specific Media, <i>Senior Engineer/Lead Software Engineer</i></p> <p>With the acquisition of Adviva Media came a requirement to adapt and scale out the platform for the US business. During this period an opportunity became apparent for more focused time on the MySQL infrastructure. This allowed for study, and DBA certification, focused on creating more robust infrastructure and increasing performance including query restructuring, indexing, scaling, partitioning and redundancy. This also included exploring Hadoop, and systems administration course, as another branch of data storage, setting up a Hadoop cluster, using Hive and Pig to aggregate raw data.</p> <p>Later in this role took agile lead of the development team in UK and US, working with QA Engineers, product managers and designers in the technical design, development and product delivery of the internal management system and external portals. Using a mixture of Scrum and Kanban project management, delivering to stated timescales and ensuring source code integrity maintained across EU and US release branches.</p> <p>Adviva Media (Acquired by Specific Media 2008), <i>Developer/Developer Analyst</i></p> <p>Technical design and development working with the senior developers and head of technology, focusing on a bespoke framework to allow for secure data interaction and rapid application development, which took some influence from PHP Cake.</p>	<p>March 2008 – May 2012</p> <p>July 2006 – March 2008</p>
	<p>Arete Consulting <i>Systems Developer</i> – online financial products service, listing investment products and associated data, php 4 and MySQL.</p> <p>Intermediates Ltd, Special Reserve & Freeola <i>Web Developer/Internet Support Manager</i> – Computer games club shop & ISP, role involved building servers from components, configuring Apache and Mysql on Redhat servers, maintaining php e-commerce sites, backups, and transferring sales data between web and file maker pro back office servers.</p> <p>Mondi Information Services <i>Junior Analyst Programmer (University placement)</i> – IT for Modelboard box factory, using Visual Basic 6 and VB web forms.</p>	<p>Oct 2004 – Jul 2006</p> <p>Jul 2001 – Oct 2002</p> <p>Aug 1999 – Aug 2000</p>
<p>Education & Qualifications</p>	<p>Sun Microsystems Certified MySQL 5.1 DBA</p> <p>Cloudera Certified Hadoop Systems Administrator</p> <p>Java J2EE</p> <p>Coursera Deep Learning</p> <p>University Of Derby BSc (hons) Computer Studies & Artificial Intelligence</p> <p>Harlow College 3 A-Levels: Computer science, Math, Physics.</p>	<p>Nov 2009</p> <p>Oct 2010</p> <p>June 2011</p> <p>July - Oct 2018</p> <p>1997 - 2001</p> <p>1994 - 1997</p>
<p>Hobbies & Interests</p>	<p>BSAC Dive Leader, Snowboarding, Running, Cycling, Climbing, Cooking, Gardening and a bit of DIY. In 2012 I completed the London Marathon, and 35 mile ultra marathon in 2018.</p>	