GRAHAM BROOKINS
software engineer

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v. short.2017.0.1.0.4

EXPERIENCE

Brookins Consulting   **02/01 – Present**
Software Engineer – Independent Consultant

- **Develop**, program, maintain, update, release dynamic database driven, object oriented, web applications and custom solutions using PHP, MySQL/MariaDB, Perl, Bash, Unix and other languages, tools or technologies as needed to fulfill customer request requirements.
- **Design**, implement, style, debug, functional interfaces, user interfaces, interface workflow, testing, ui design to exceed functional requirements and retain maximum cross browser compatibility.
- **Systems Administration**: RedHat Enterprise Linux server installation, configuration and server services administration of dedicated collocated hardware / vps hardware of company and customer servers/backup solutions.
- **Automation:** Development and maintenance automation by creating git mirroring solutions with Ruby and Python using GitHub Rest APIs.
- **Sales:** Marketing services/solutions to potential and existing customers, continuous customer interaction, requirements analysis, use cases, building and submitting customer proposals.
- **Project Managemen**t: project/development management, meetings, demos, releases announcements/meetings, training and continued customer support. Management, networking, integration, support, supervising of internal and external resources working with project teams on completing customer deliverables ahead of schedule.
- **Evangelist**: promotion of products, services, solutions, experience, expertise, education and supporting end users of our solutions.
- **Serious focus** on Free Software / Open Source Solutions, paid application development, project sponsorship; returning source code and documentation improvements back to the community after released first to the customer.
- **Small business IT services**: networking, cabling, file sharing, firewalls/routers, authentication and permissions. End user PC support, Windows support / reinstallation and developing custom solutions. Performance tuning hardware, operating system, internet connection, software applications; complete software reinstallation, determining backup strategies, networking, load testing, file sharing, spyware, anti-virus, spam/mail filtering, popups, browser/email recommendations and solutions. Research, purchase, installation and configuration of equipment and software. Phone support, onsite service and repair.
- Developed, maintained, supported web based applications for Twisted Throttle, LTD using **PHP**, **MySQL**, **Perl**, **Bash.** (twistedthrottle.com)
- Maintained web based applications for the State of Alaska's North Slope Borough's Request for Proposal using **HTML.** (procurement.north-slope.org)
- Official Maintainer of eZ publish 2 PHP/CMS. Develops, maintains and moderates eZ publish 2 community portal, documentation, forums, software archives, public svn repositories/tools and projects (ezcommunity.net)
- Developed, maintained and supported web based ecommerce applications (extranet / store) for the Alaska Industrial Hardware using eZ publish, PHP, MySQL**.** (aihalaska.com).
- Developed, maintained and supported web based ecommerce blog applications for Silent Cal Productions (ricochet.com) using eZ Publish, PHP, MariaDB/MySQL5.
- Developed, maintained and supported web based ecommerce blog applications for pharmers.net and shamangrade.org using eZ Platform, PHP, MariaDB.
- Developed, maintained and supported web based marketing sites jpisdashit.com and aaronschlosberg.com using eZ Platform Legacy, PHP, MariaDB.
- Developed, maintained and supported web based marketing site alliancedms.com. Wrote content and designed key aspects of the their Wordpress site.
- Developed, upgraded and maintained hosting platform for quiqcorp.com using eZ Publish, eZ Platform and Wordpress. Upgraded their hosting infrastructure to support all SSL by default.

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- Completed redesign of primary company website in 2001, 2002, 2005, 2007, 2008, 2014, 2016, 2017, 2018.

Contextual Code / Think Creative   **05/13 - 01/16**
eZ Publish / Symfony Application Developer – Remote Contract

- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application import mail, status check programs. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Web application development team's lead technical consultant.
- Utilizing eZ Publish 5, eZ Platform 6, Symfony 2/3, PHP5, MariaDB 10/5, MySQL5, HTML5, BASH, Apache2, Git
- LAMP server installation configuration and web application development expertise.
- Executed existing software code review, updates and improvements both functional and aesthetic.
- Extensive time accounting documentation in addition to scrum sprint documentation.
- Customer required functional and general upgrades of multiple eZ Publish web application installations.
- Extensive bug fixes to existing website PHP and JavaScript for various issues.
- Created all new site wide content sorting solution from scratch.
- Created Symfony Bundles with extensive isolated and reusable functionality.
- Created extensive Apache web server mod_rewrite redirection configurations.
- Created extensive Apache web server virtual host configurations.
- Educated site admin on enhancements.
- Worked daily on over 32 different website projects.
- Documented changes using project issue tracker.
- Extensive use of GIT/GitHub/BitBucket to submit changes.

Verizon   **07/13 - 10/13**
Web Application Developer – Fulltime onsite contract

- **Develop**, **maintain** and **release** existing Javascript dynamic database driven web application components and updates. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Web application development team's technical lead for Javascript development and quality assurance.
- Executed existing software code review, updates and improvements both functional and aesthetic.
- The goal to upgrade all Javascript dependencies and identify / resolve any bugs or functionality loss as a result of the upgrades.
- Including testing fully all aspects of the surrounding mobile tablet platform.

Common Places   **10/10 - 04/11**
eZ Publish Application Developer – Remote Contract

- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application import mail, status check programs. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Web application development team's lead technical consultant.
- Utilizing eZ Publish 4, PHP5, MariaDB5, MySQL5, HTML4, BASH, Apache2, SVN
- LAMP server installation configuration and web application development expertise.
- Executed existing software code review, updates and improvements both functional and aesthetic.
- Extensive time accounting documentation in addition to scrum sprint documentation.

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- Customer required functional and general upgrades of multiple eZ Publish web application installations.
- Extensive bug fixes to existing website PHP and JavaScript for various issues.
- Created all new site wide content sorting solution from scratch.
- Created member only forum section.
- Fixed site friend request and decline features.
- Added forum content edit, move and delete features.
- Created Facebook wall like comment feature for user profiles.
- Educated site admin on enhancements.
- Documented changes using project issue tracker.
- Extensive use of SVN to submit changes
- Website http://universalusa.com

- Rescued down site in less than 2 hours of evaluation and restoration.
- Database connectivity restored and caches cleared.
- Site restored and verified promptly upon request.
- Backed up the source code and database
- Website http://sanyocomponentsdirect.com

Silent Cal Productions   **04/10 - 04/11**
eZ Publish Application Developer – Remote Contract

- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application import mail, status check programs. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Web application development team's lead technical consultant.
- Utilizing eZ Publish 4, Zend Framework, PHP5, MariaDB/MySQL5, HTML4, BASH, Apache2, SVN
- LAMP server installation configuration and web application development expertise.
- Executed existing software code review, updates and improvements both functional and aesthetic.
- Extensive time accounting documentation in addition to scrum sprint documentation.
- Customer required functional and general upgrades of multiple eZ Publish web application installations.
- Extensive bug fixes to existing website PHP for various issues.
- Extensive new feature development to the entire site.
- Created the headlines news aggregator section of the site.
- Created new backstage forum section of the site.
- Created several custom PHP workflow events from scratch.
- Created member conversation section of the site.
- Created member promotion of conversation content to homepage cronjob.
- Created extensive site statistics reporting functionality web based, cron scripts for conversations, comments and more from scratch.
- Created custom user, realname and email address user search from scratch.
- Created extensive validated custom RSS feeds from scratch including member feeds, main site feed, conversation feeds and podcast / itunes feeds.
- Created member profile conversations functionality.
- Implemented user sudo functionality for becoming logged in user in website.
- Implemented JavaScript based image gallery.
- Created custom page pagination and limits.
- Implemented New Feature Blog. Added conversation tagging support.
- Created database driven podcast section of the website.

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- Implemented Google sitemap generator for multiple sitemaps.
- Created content archival script which moved content older than a variable length of time.
- Added customer user attributes and related functionality with JavaScript word limit feature.
- Template validation and related cleanup sitewide.
- Found, documented, patched and reported vendor product bugs.
- Extensive use of SVN to submit changes.
- Emergency support provided to find and fix critical issues.
- Website http://ricochet.com

American Health Care Academy   **03/10 - 06/10**
Web Application Developer – Fulltime onsite direct hire
- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Web application development team's lead technical consultant.
- Utilizing CodeIgniter, PHP5, MariaDB/MySQL5, HTML4, BASH, Apache2, SVN
- LAMP server installation configuration and web application development expertise.
- Executed existing software code review, updates and improvements both functional and aesthetic.
- Responsible for the development of the next generation of website.
- Creation of replacement web based testing application written in PHP5, MySQL5 on LAMP server using the CodeIgniter Framework.
- Integrated multiple user comments and suggestions into website.
- Responsible for server administration as well as development.
- Including testing fully all aspects of the surrounding public cms platform.
- Website http://cpraedcourse.com

CommunicatingFoodForHealth   **02/10 - 12/10**
eZ Publish Application Developer – Remote Contract
- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Web application development team's lead technical consultant.
- Utilizing eZ Publish 4, Zend Framework, PHP5, MariaDB/MySQL5, HTML4, BASH, Apache2, SVN
- LAMP server installation configuration and web application development expertise.
- Executed existing software code review, updates and improvements both functional and aesthetic.
- Implemented payment gateway Authorize.Net and web based content subscription solution.
- Responsible for guiding customer through the use of the web content management system and subscription solution.
- Customer required functional and general upgrades of multiple eZ Publish web application installations.
- Website http://CommunicatingFoodForHealth.com

Aplyca   **07/09 - 08/09**
eZ Publish Application Developer – Remote Contract

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- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application import mail, status check programs. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Web application development team's lead technical consultant.
- Utilizing eZ Publish 4, Zend Framework, PHP5, MySQL5, HTML4, BASH, Apache2, SVN
- LAMP server installation configuration and web application development expertise.
- Executed existing software code review, updates and improvements both functional and aesthetic.
- Extensive time accounting documentation in addition to scrum sprint documentation.
- Including testing fully all aspects of the surrounding public cms platform.
- Customer required functional and general upgrades of multiple eZ Publish web application installations.
- Website http://www.luxgoddess.com

BoxLight Media   **05/09 - 06/09**
eZ Publish Application Developer – Remote Contract
- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application import mail, status check programs. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Web application development team's lead technical consultant.
- Utilizing eZ Publish 4, PHP5, MySQL5, HTML4, BASH, Apache2, SVN
- LAMP server installation configuration and web application development expertise.
- Executed existing software code review, updates and improvements both functional and aesthetic.
- Project Management of development team, design team and customer contact.
- Extensive time accounting documentation in addition to scrum sprint documentation.
- Including testing fully all aspects of the surrounding public cms platform.
- Customer required functional and general updates of eZ Publish web application.
- Website http://www.milliondesign.com

Granite Horizon   **05/09 - 08/09**
eZ Publish Application Developer – Remote Contract
- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application components and updates. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Web application development team's technical lead, development and quality assurance. Utilizing eZ Publish 4, PHP5, MySQL5, HTML4, Javascript, Apache2, SVN, ACL, Backup automation, LAMP server installation configuration and web application development expertise.
- Executed existing software code review, updates and improvements both functional and aesthetic.
- Including testing fully all aspects of the surrounding public cms platform.
- Customer required functional and general upgrades of multiple eZ Publish web applications.
- Website is pending production release, Diocese of Stockton
- Website is pending production release, Schaumburg Township District Library

Handmark   **01/09 - 05/09**
Web Application Developer – Fulltime onsite contract

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- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application components and updates. **Documentation** of code review, document reviews, document breakdowns, creating resolution **recommendations** and **proposals**.
- Web application development team's technical lead, development and quality assurance.
- Utilizing Zend Framework, PHP5, MySQL5, HTML4, Javascript, Apache2, SVN, VmWare, CentOS, LAMP server installation configuration and web application development expertise.
- Designed and re-implemented custom, Ajax, Zend Framework PHP, MVC internal backend administration website. Regularly assisted Lead designer in re-implementing smarty templates cleanly in as packages easily overrideable.
- Responsible for writing PHPUnit Tests from scratch and updating existing tests.
- Executed existing software code review, updates and improvements both functional and aesthetic.
- Website http://handmark.com

Verizon Business   10/08 - 11/08
Web Application Developer – Fulltime onsite contract

- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application components and updates. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Web application development team's technical lead, development and quality assurance. Utilizing PHP5, MySQL5, HTML4, Javascript, Apache2, SVN, ACL, Backup automation, WAMP server installation configuration and web application development expertise.
- Executed existing software code review, updates and improvements both functional and aesthetic.
- The goal to upgrade all WAMP dependencies and identify / resolve any bugs or functionality loss as a result of the upgrades.
- Including testing fully all aspects of the surrounding intranet platform.
- Customer facility required an upgrade of their internal web server and web applications.

Films That Changed The World   02/08 - 03/08
Web Application Developer – Remote Contract

- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application components and updates. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Designed and created the eZ Publish solution which extended FTCTW existing eZ Publish installation to provide website content calendaring search and various additional features.
- Designed and created the eZ Publish solution using a single flexible set of different extensions.
- Website http://www.filmsthatchangetheworld.com

Strategy Street   10/07 - 11/07
Web Application Developer – Remote Contract

- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application components and updates. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Designed and created the eZ Publish solution which extended Strategy Street's existing eZ Publish installation to provide website content subscription purchases from their eZ Publish website / webshop.

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- Designed and created the eZ Publish solution using a single flexible set of different extensions.
- Website www.strategystreet.com

Merchant Warehouse   **08/07 - 10/07**
Web Application Developer – Remote Contract

- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application components and updates. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Completed redesign of existing web forms
- Added complex web 2.0 form validation
- Reimplementation of web shop checkout process
- Website www.merchantwarehouse.com

Alcone Company, LTD   **10/06 - 08/07**
Web Application Developer – Remote Contract

- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application components and updates. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Extended Alcone's existing eZ Publish installation to provide from customized administration product statistics tracking features for the shop admin, Google Analytics e-commerce order and pageview statistics tracking, export of over 50,000 customer feedback submissions to csv file, Authorize.net Payment Gateway integration and continued feature development.
- Website www.alconeco.com

eZpedia   **11/06 - Present**
Web Application Developer – Remote Contract

- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application components and updates. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- eZpedia is a community driven effort who's goal is to create complete sets of freely available 'eZ publish' documentation created and maintained by the community for the community.
- Motivated by the eZ community, Kristof Coomans started to work on an eZ publish wiki short before the summer holidays of 2006.
- At the beginning of November 2006 the project was restarted by Kristof and Graham Brookins.
- Heavily inspired by Wikipedia, Kristof proposed to call the project eZpedia, Graham bought the domain, And eZpedia was born!
- Contributed a large bulk of the site content between 2006 to present.
- Created IRC Chat bot integration providing for content query results via SOAP API I developed which is still available to this day.
- Upgraded eZpedia to eZ Publish 4.4
- Website www.ezpedia.org

Prosoft Technology   **02/05 - 09/07**
Web Application Developer – Remote Contract

- **Develop**, **maintain** and **release** existing PHP dynamic database driven web application components and updates. **Documentation** of code review, development process review, document breakdowns, creating resolution **recommendations** and **proposals**.
- Completed recreation of eZ Publish web application.

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- Continuous upgrades, updates and server administration support.
- SEO optimization of content and application
- Massive performance optimization changes
- Migrated all resources into separate eZ Publish extensions
- Prepared all extensions for certification and approval for eZ Publish Now.
- Website www.prosoft-technology.com

CAREER SUMMARY

- 21 years in the IT industry
- 18 years using PHP, 9 years using Perl, 18 years using SQL, 16 years using CSS, 16 years using XML/RSS, 17 years using JavaScript, 20 years using HTML, 11 years using XHTML, 10 years using DHTML, 20 years using Bash/Shell, 2 years using PL/I, 2 years using CFML and Oracle
- 19 years with Unix, 17 years with Windows OS, 24 years with MacOS
- 8 years using MariaDB, 17 years using MySQL, 2 years using Oracle and 2 years using PostgreSQL

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SKILLS

<u>Languages</u>: PHP7, PHP5, PHP4, HTML5, XHTML, DHTML, HTML(2-4), CSS(1-3), LESS, JavaScript, jQuery, JSON, SQL, TWIG, Smarty, UML/ERD, Shell Scripting, Bash, Perl, Ruby, Rails, Python, Batch, Sed, PL/SQL, CFML, YAML, INI, XML, RSS, ATOM, OPML, Standard / Video Sitemaps XML, Action Script, Java, C#, C, VBS, ASP, BASIC

<u>Development Methodologies</u>: Agile, Scrum, Pair, Pragmatic Programmer

<u>Best Practices</u>: Web Standards, Cross Browser Design, Ajax, ORM, OOP, OOD, UML, Distributed Version Control, PSR, PHPDoc, TDD, Unit Testing, Continuous Integration, SEO, QA, HMVC, MVC, Rest, Soap

<u>Frameworks</u>:   eZ Platform, Symfony (1-3), eZ Publish (1-5), Zend Framework, Wordpress, Zeta Components, CodeIgniter, Joomla, Doctrine ORM, Propel ORM, MediaWiki, Zope

<u>Development</u>: Emacs, Vim, phpStorm, Jenkins, AWS/S3, Composer, GIT, GitHub, PHPUnit, Behat, Selenium, Mink, GitLab, Mercurial, SVN, CVS, WebSVN, ViewCVS, diff, patch, rsync, screen, Slack, GitKracken

<u>Services</u>: Apache Web Server, Tomcat 7, Bind DNS Server, Microsoft IIS, GD, ImageMagic, BitTorrent, SSH, SCP, SFTP, Sudo, Cron, Alpine, ColdFusion, Qmail, Courier, Spamassassin

<u>Databases</u>: MariaDB 10/5, MySQL 5/4, PostgreSQL, Oracle, SQLite, SQL Server, Access

<u>Libraries</u>: jQuery, jQuery UI, jQuery Mobile, jQuery Tools, jQuery DataTables, jQuery Scroller, jQuery SimpleTips, Slick, Cycle1, Cycle2, jCarousel, Tiny Carousel, Looper.js, jQuery Carousel, Cycle Rotation, AllInOne Slider, JWPlayer, SWFObject, FancyBox, FullCalendar, Modernizr, MooTools, YUI(1-3), Bootstrap, Google Maps, Google Analytics

<u>Browsers</u>: Firefox, WebKit, Chrome, Safari, Opera, Internet Explorer

<u>Atlassian</u>: Jira, BitBucket, Confluence, HipChat, Source Tree

<u>Design</u>: Photoshop, Fireworks, Flash, Freehand, Illustrator, Gimp

<u>OS</u>: All versions and variations of Linux, BSD, Unix, Solaris, AIX, GNU, Cygwin, MacOS and Windows, IOS, Android

EDUCATION

12/2010 - Certification: eZ Publish Certified Developer 4.4

06/2007 - Certification: Creating Certified Extensions for eZ Publish

02/2007 - Certification: eZ Publish Certified Developer 3.x

05/2004 - Certification: CompTIA Network+

03/2003 - Certification: CompTIA A+

03/2000 - Training: Thinking in Java, Hands-On 5 Day Course

05/1999 - University of Alaska, Received 4 Year Scholarship

05/1999 - Graduated, Save High School, Anchorage, Alaska

SITES

Portfolio: http://grahambrookins.com
GitHub: http://github.com/brookinsconsulting
GitLab: http://gitlab.com/brookinsconsulting
Packagist: http://bit.ly/2l23K6L
Projects: http://bit.ly/2lwsRPQ

REFERENCES

DAVID BROADFOOT, COO @ CONTEXTUAL CODE

• https://www.linkedin.com/in/davidbroadfoot/

MATT SWEETMAN, PROJECT MANAGER @ CTG

• https://www.linkedin.com/in/matthewsweetman/

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