

MARC S. BROOKS

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SUMMARY:

Goal driven, self-motivated individual, with a solid background in Internet based technology, and has worked in all functions of web development and interactive media. Extensive knowledge of client-side technologies, server system analysis, deployment and management of large-scale production environments.

More than a decade of experience in all phases of application development from initial requirements gathering, specification, system design, and project planning through construction, documentation, deployment, and training.

Sr. Software Engineer, Mirum Agency, WPP

3/2015 – present

As a full-stack developer, I actively work in all phases of website and application development. This includes client and server-side development. I have participated in several projects for clients: Qualcomm, Johnson & Johnson, GM, American Family Insurance, Leidos, and USMC.

- Developed functional specifications based on analysis of project business requirements.
- Developed web applications using programming languages PHP, Perl, Ruby, and JavaScript.
- Developed client-side applications using the AngularJS and EmberJS frameworks.
- Developed CMS driven kiosk application for the Qualcomm Museum corporate office.
- Responsible for performing application tuning and resource optimizations for existing projects.
- Responsible for the development and maintenance of Vagrant development environments.
- Worked with partners on migrating corporate PM data between MySQL and Oracle systems.

Sr. Software Engineer, Intuit

10/2014 – 2/2015

As a representative of Digitaria Interactive, I primarily focused on client-side development of *Turbo Tax Online/GetData* web application components. This includes the porting of the 1099x and *Mint* online experiences from a proprietary JavaScript engine to the AngularJS framework.

Sr. Software Engineer, Digitaria Interactive, JWT

1/2012 – 2/2015

Actively work in all phases of application development. This includes client-side development, system operations, and engineering. I have participated in the development of several large-scale projects for clients: AXS, Disney, GM, NFL, Qualcomm, and UltraViolet.

- Developed functional specifications based on analysis of project business requirements.
- Developed web applications using programming languages JavaScript, PHP, and Ruby.
- Developed CMS driven websites using frameworks Drupal, Symphony, and EmberJS.
- Focused on improving the style, modularity, and reusability of produced source code.
- Responsible for performing application tuning and resource optimizations for existing projects.
- Responsible for porting of pre-existing applications to new hosting environments.
- Responsible for identifying innovative system administration approaches and technologies that leverage our current resources and provide economies of scale.
- Responsible for the repair and recovery from hardware or software failures.

Sr. Web Developer, Intuit

10/2012 – 5/2013

As a representative of Digitaria Interactive, I primarily focused on client-side development of the Turbo Tax Online NUE (New User Experience) application.

- Responsible for the development of the Tax Summary giving customers the ability to modify collected data and related information submitted during the tax return process.
- Developed custom libraries for adding animated screens into the pre-defined application flow.
- Responsible for client-side JavaScript performance optimizations throughout the application.
- Developed Maven post-process build scripts to generate optimized code for deployment releases.

Principle, Kick Ass Interactive LLC

1/2011 – 12/2011

KAI, a technology, consulting firm with a focus on the development of interactive games, scalable web applications, and virtualized server networks utilizing Amazon EC2

- Responsible for the drafting and execution of all work-for-hire contracts.
- Manage third-party contractors and vendors for all related projects.

Director, Web and Infrastructure, Spin Master Ltd.

10/2009 – 12/2010

Managed and lead the development, integration and operations of Spin Master's website and e-commerce solutions. This includes projects that involve web development, graphic design and back-end integration. Managed all web-related assets, including domain names, both domestic and international. Actively participated in IT and brand strategic planning to understand the customer needs, conceptualize solutions for designing new/enhanced systems, and lead projects to develop online operations in conjunction with Spin Master's initiatives.

- Operated and scaled a global, 24/7, high availability hosting solution serving millions of monthly visits from more than 50 countries.
- Directly supervised managers of system operations/web development in day-to-day operations.
- Managed contracts and billing with third-party providers and vendors for all internet-related services.
- Participated in corporate meetings to help determine materials, costs, and timelines for all web-related projects.
- Responsible for the deployment and implementation of a COPPA compliant social network and Massively Multiplayer Online Player Game (MMOPG) with over half million users.

Sr. Manager of Web Operations, Spin Master Ltd.

4/2008 – 10/2009

- Responsible for the architecture and administration of the entire website hosting network across three data centers.
- Responsible for the implementation of a global content delivery platform (CDN) used by international marketing and product vendors.
- Developed new multi-user applications for increasing user traffic for existing websites including e-commerce.
- Analyzed and provided technical recommendations on new and existing internet software packages including website stats, bulk mailing, image processing, etc. as well as researched hardware solutions for optimal web and mail serving.

Web Engineer, Spin Master Ltd.

1/2007 – 4/2008

- Responsible for architecture and systems design related to multiplayer online PC game SwypeOut.
- Developed, maintained and assisted in the design for all brand websites.
- Engineered and maintained Linux based servers running XEN, DHCP, DNS, Apache, NGINX, Java/Tomcat/Glassfish, Flash Media Server, Perl/Mod_Perl, PHP/Zend, Python, Memcached, HA Proxy, MySQL, and Sendmail.

Principle, Olive Works Consulting

5/2005 – 6/2009

- Developed and implemented consumer facing applications: B2B/B2C shopping cart, online product catalog, and administrative applications for content management.
- Engineered and maintained Linux/FreeBSD/Open Solaris based servers running DHCP, DNS, Apache, Java/Tomcat, Perl/Mod_Perl, PHP/Zend, Python, MySQL, Postfix and Qpopper.

Web Engineer, X Concepts LLC

8/2002 – 12/2006

- Developed, maintained and assisted in the design for all brand websites.
- Managed: B2B/B2C shopping cart, webmail, forum, and consumer facing applications.
- Responsible for application servers that hosted webmail and forums (over 150k accounts).
- Responsible for B2B/B2C e-commerce solution that generated revenue of \$250k annually.
- Assisted with training and support of workers regarding web applications, policies and procedures.
- Audited and influenced e-commerce network security policies for CISP/PCI compliance.
- Engineered and maintained Linux based web servers running DHCP, DNS, Apache, Java/Tomcat, Perl/Mod_Perl, NcFTP, SendMail and Qpopper.

Web Developer, Brawn of California, Hanover Direct Inc

3/2000 – 11/2001

- Developed, debugged and maintained e-commerce enabled websites: *internationalmale.com*, *great-finds.com*, *undergear.com*, and *maximumexposure.com*. Programming primarily in ASP and Perl, JavaScript and client-side Java.
- Developed custom administrative applications for the management of online content.
- Developed front-end web applications for voting, mailing lists, and customer feedback.
- Port existing websites and applications to new system architecture (Windows to Linux).
- Integrated CISP/PCI compliant payment processing.

SPECIALTIES:

Programming in C, Shell, Perl/Mod_perl, PHP, Ruby, and Python. Web based scripting in HTML, ECMA JavaScript, and CSS. SEO. Linux/BSD server administration. Client/server security. MySQL database administration, including relational database design. Creation of scalable virtualized server solutions using Amazon EC2. Creation of CISP/PCI compliant e-commerce website solutions. Well versed in both Agile and Waterfall methodologies. **Cleaning up engineering debt.**

OTHER INTERESTS:

Open Source Software, IoT devices, OpenSim, British motorcycles, and International travel