

## Resume:

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## OBJECTIVE

Seeking challenging DevOps, Continuous Integration, QA Pipeline and Release Management projects that build on my previous experience in test driven development, branch management, containerization and orchestration experience. Opportunities to gain more experience with React, Node, Kubernetes, Javascript/TypeScript/Coffeescript, Go, Ruby, and/or Blockchain technologies in a high-performance, high-traffic environment will be given the highest consideration.

## QUALIFICATIONS

### Web and Database Development

Fifteen years full stack development of web applications, REST API's perl and Python modules professionally

Manage deployment of MySQL & PostgreSQL database solutions across various dedicated and virtual/cloud hosting services and Linux distributions including CentOS/RHEL, Debian, Ubuntu and Fedora server environments. Interested in gaining more experience in cross-platform mobile app dev using Node, React Native and Cordova

Practical experience integrating MySQL, Oracle and Sybase databases with perl, Python, Javascript, PHP and Cold Fusion web applications

Eight years developing mod\_perl applications, mostly using the CGI::Application framework and HTML::Template exclusively

Fifteen years installing and maintaining Apache mod\_perl web servers, MySQL database servers, Git, SVN and CVS version control repositories, qmail, exim and postfix mail servers, using bind, but administering djbdns nameservers on FreeBSD and Linux (Debian and Red Hat) operating systems. Also proficient on MacOS, Gnome and KDE Linux desktop systems, and GUI (wxPerl) desktop application cross-platform development for Windows, Linux and Mac environments.

Understanding of HTTP, SMTP, DNS, FTP, IMAP, and LDAP internet communication protocols and programming API's and many more three and four letter acronyms.

Experience with internationalization/localization projects for the web including current character set and language-encoding issues, language fonts, Unicode compatibility and translation systems

Knowledge of current markup standards including XML and XHTML conformance, considerable experience designing JSON, REST, XML-RPC & JSON-RPC based backend API services, complex responsive frontend HTML, CSS and Javascript (vanilla, Prototype/Scriptaculous & jQuery) user interfaces, resolving cross-browser and cross-platform issues with HTML5, CSS3/Blueprint, JavaScript and XMLHttpRequest features.

Experience using Puppet, Chef, Ansible & Docker. More using AWS and OpenStack "by hand". Proficient at Git repository and release management, including continuous integration, branching, merging, rebasing and conflict resolution, automated testing using Selenium and load testing using BrowserMob.

## Database Development

MySQL design and development using perl DBI (20 years), Cold Fusion (2 years) and db server installation/administration (15 years)

PostgreSQL database design and development (5 years, v7 - v10)

Bash scripting, AWS CLI automation, DB replication, cron job development, package management, server troubleshooting, performance optimization and general Linux server administration duties (15 yrs)

Oracle on Solaris - conversions to MySQL on Linux (1 year)

Transact SQL: Sybase ASE, SQL Anywhere, Microsoft SQL 6.5 including TSQL views, triggers and stored procedures (4 years)

XBase: Visual FoxPro 3, FoxPro 2.6, DBase IV (4 years)

4GL application development in PowerBuilder 5-6 and VFP 3 (2 years)

Adept with reporting, import/export tools, backup and replication strategies

SQL schema design, optimization and administration of development servers

## PROFESSIONAL EXPERIENCE

### **Current: Web & Mobile App Development, Digital Strategy Consultant**

Gigawatt Digital (New York, NY) - <http://gigawatt.org/> (570) 688-3650

Recommend, design and deploy use of Docker containers to replace dedicated servers running hundreds of legacy systems, with a single virtual cluster to greatly simplify management, sharply reduce costs and increase security

Conceive, promote and execute ecommerce migration from WordPress combined with WooCommerce, a custom POS integration, and a separate Merchant Payment Gateway) to Shopify to decrease the number and complexity of vendors and systems

## **May 2005 - July 2018: Lead Developer**

The Erlbaum Group (New York, NY) - <http://erlbaum.net/> (212) 684-6161

Lead developer for contract custom web development firm. Key projects include Krang-based (<http://krangcms.com>) listings content management and publishing system for relaunch of [www.newyorkmagazine.com](http://www.newyorkmagazine.com), [www.asiasociety.org](http://www.asiasociety.org), [www.bizjournals.com](http://www.bizjournals.com) and [www.workman.com](http://www.workman.com)

- **Hearst Digital Media (project) December 2015 - September 2016 (10 months)**

<https://www.hearst.com/magazines/digital-media>

Full-time on-site development with the NYC shared apps team, maintained & enhanced the Circulation Management systems, Sweepstakes, Subscription/renewal/promo Cybersource E-commerce transaction processing API's, SilverPOP Transactional Email API, iPad Mobile SSO systems and API integrations with Palm Coast fulfillment partners across Conde and Hearst magazine properties using Perl, Python/Django, MySQL, Javascript, JSON and IOS technologies

(Circules Press: <https://www.foliomag.com/behind-hearsts-substantial-online-sub-growth>)

- **Experian Cheetahmail (project) August 2011 - May 2012 (9 months)**

<https://app.cheetahmail.com/cm/login> (now Cheetah Digital)

Expand and maintain suite of internal ExtJS applications for enterprise Email Service Provider, refactor large codebase for AMD/ReactJS module loading. Use Selenium to begin automation of the QA team's exhaustive and growing suite of manually performed UI regression tests

- **RealAge / Hearst / Sharecare (project) September 2009 - January 2014 (4 years 5 months)**

<https://www.sharecare.com/static/realage>

Developed initial proof-of-concept embeddable Javascript front-end for the RealAge Test; With agile team, developed RAWs, the Real Age Web Services JSON-RPC (and XML-RPC) API's; Employed BrowserMob and Selenium Remote control automation to perform iterative load testing, prepare and size production clusters, and guarantee a successful launch of the high traffic web application during mass market real-time consumer media promotion. Transition hosting to HDM and perform post-support services for the Sharecare acquisition

## **August 2003 - May 2005: Senior Developer**

Trafficmac (now Operative, New York, NY) - <https://www.operative.com/>

Senior web developer for internal ad-trafficking web application used to conduct ad operations, run a unattended suite of automated test triggered by code commits and email developers who break the build. Resolve merge conflicts & branch planning; Oversee QA and release management for the high transaction volume ad-trafficking systems of clients such as FOX Sports, FOX News and The Wall Street Journal.

Additional experience, professional references and salary history available upon request.