

DAVID KAUFMAN

Developer & Digital Consultant

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📍 New York, NY



OBJECTIVE

Seeking challenging technology projects that build on my previous Web Development, Database & DevOps experience.

Opportunities to gain more experience with React, Node, Kubernetes and/or Blockchain technologies, or to learn Go, TypeScript, Rust, more Ruby, more ES6 or LESS/SCSS in an agile, high-performance, high-traffic environment will be given the highest consideration.

QUALIFICATIONS



LAMP Web Development

Two decades of full stack development of web applications on Linux using MySQL, Perl CGI scripting, and PHP (WordPress, Drupal, Wiki) Ten years building REST API's, Perl and Python modules professionally



Perl, Python & Node

Eight years developing mod_perl applications, mostly using the CGI::Application framework and HTML::Template exclusively; More recently, Four years of Python, Django (DRF mostly) and some NodeJS



Operating Systems

Extensive experience installing, maintaining, troubleshooting and tuning CentOS/RHEL, Debian, Ubuntu and Fedora server environments. Former Windows-based developer (including Perl Win32) who switched to MacOS in 2012 and has never looked back (much, except to laugh)



Database Admin

Manage deployment of MySQL & PostgreSQL database solutions across various dedicated and virtual/cloud hosting services and Linux distributions; Some Oracle and Sybase, MS SQL Server and (dare I mention?) FoxPro 2.6 for DOS and dBase IV



Markup Standards

Knowledge of current standards including xml & xhtml conformance, JSON & YAML, considerable experience building REST, XML-RPC & JSON-RPC based backend APIs



Protocols

Understanding of HTTP, SMTP, DNS, SSL, SSH, SCP, SFTP, FTP, IMAP, LDAP and many more four letter words and three letter acronyms



AWS

EC2, IAM, RDS, EBS, VPC, Security Load Balancing, Planning & Cost Estimation



Open Source Advocacy

Use, support, and contribute to open source, Free Speech & Digital Privacy projects

ACHIEVEMENTS

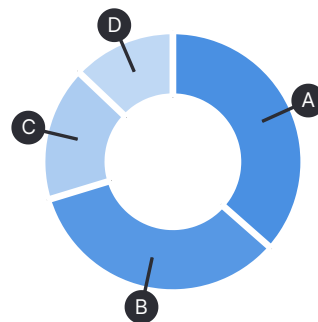
Saving clients time and money through simplification

I've always hated seeing waste and inefficiency, so I loved saving a client 90% on their storage costs by using Docker COW (copy-on-write) filesystems to quickly and inexpensively deploy many huge staging and development containers based on production, but only paying for the bytes that differ between them!

Reducing scope to increase focus

When organizing a new agile project, I like to arrange the "phases" of a large system into groups of features based on user personas, because this can surface ways to break them into smaller, simpler, and more focused systems

STRENGTHS



- A Backend & Database & Building APIs
- B DevOps, CI/CD, System Administration, Troubleshooting and Tuning
- C SDLC: Agile QA, Release Management, Dev Tools & Managing Remote Teams
- D Frontend UI/UX & Pixel-perfect HTML

VOLUNTEERING

Treasurer

evolt.org

📅 2004 - Ongoing

EXPERIENCE

Web Developer, Sysadmin & Consultant

Gigawatt Digital LLC

📅 08/2018 📍 New York, NY

Web & Mobile App Development and Digital Consulting

- DevOps CI/CD Solutions, Docker Containerization, AWS Migration
- 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 plan to modernize and simplify client's legacy e-commerce system by migrating their WordPress WooCommerce site with a custom POS integration and a separate Merchant Payment Gateway -- all to Shopify

Lead Developer (13 years)

The Erlbaum Group - "TEG"

📅 05/2005 - 07/2018 📍 Union Square

🌐 www.erlbaum.net

Contract Web Development Consultancy

- Perl, Python & Javascript development, Linux System Administration, AWS, Django, MySQL & PostgreSQL
- Key projects include Krang-based (<http://krangcms.com>) listings content management and publishing system for New York Magazine and BizJournals
- Development migrations, redesigns and relaunches of long-term clients AsiaSociety.org, Workman.com and Blumberg.com

Perl / Python Developer (10 months)

(TEG client) Hearst Digital Media

📅 12/2015 - 09/2016 📍 Hearst Tower

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

(On-site) Shared Apps Team

- Used Perl, Python/Django, MySQL, Javascript, JSON and IOS technologies
- Maintained & enhanced the Circulation Management systems, Sweepstakes, Subscription/renewal/promo systems, and iPad Mobile SSO systems
- Extended and fixed bugs in the Cybersource E-commerce payment processing API and SilverPOP Transactional Email API
- Integrated with Palm Coast fulfillment partner APIs across Conde and Hearst magazine properties
- Circles in the Press: <https://www.foliomag.com/behind-hearsts-substantial-online-sub-growth>

Software Engineer (9 months)

(TEG client) Experian Cheetahmail (now Cheetah Digital)

📅 08/2011 - 05/2012 📍 Bowling Green

🌐 <https://app.cheetahmail.com/cm/login>

Enterprise Email Service Provider

- Enhance and maintain suite of internal applications built in ExtJS
- Refactor large codebase for AMD/RequireJS module loading
- Lead QA effort to use the Selenium's Python webdriver to automate Javascript UI regression tests performed manually by large QA team

LANGUAGES

Python

Proficient



Javascript

Proficient



Perl

Native



SQL

Native



HTML5

Proficient



CSS3

Proficient



Language

Beginner



EDUCATION

Sybase New York City Certified Training Center

Fast Track to PowerBuilder

📅 1996 📍 New York, NY

- Five-day intensive hands-on certification training course

Computer Science

Saint Peters College

📅 1990 - 1991 📍 Jersey City, NJ

- 8 credit hours of continuing education coursework in SQL database theory, C++ and Pascal programming - GPA: 4.0

Video Technology

Northlake College

📅 1986 - 1988

📍 Dallas County Community College District - Irving, TX

- 32 credit hours toward an Associates Degree program (not complete) GPA: 3.2

EXPERIENCE

Perl, JS & JSON-RPC Developer (4 years)

(TEG client) **RealAge / Hearst / Sharecare**

📅 09/2009 - 01/2014 📍 New York, NY

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

- Developed initial proof-of-concept embeddable Javascript front-end for the RealAge Test
- With remote team, developed RAWs, the Real Age Web Services JSON-RPC (and XML-RPC) API's
- Employed BrowserMob and Selenium Remote control automation to perform continuous load testing, prepare and size production clusters, and guarantee a successful launch of the high traffic web app when it was announced on nationwide television broadcasts
- Transition hosting hand-off to Hearst
- Coordinate data warehouse integrations
- Perform post-support services after acquisition by Sharecare

Senior Developer

Trafficmac (now Operative)

📅 08/2003 - 05/2005 📍 NoMad

Ad Operations

- Led perl migration, modernization & consolidation of company's internal ad hoc PHP ad-trafficking and campaign performance reporting applications

Web Developer / DB Administrator

Vanguard Media (now Very Memorable) "VM"

📅 01/2001 - 07/2002 📍 Chelsea

🌐 vm.com

Creative Design, Animation & Interactive Media

- Developed and maintained web sites, automated mailing systems, MySQL export utilities and Apache mod_perl applications for Linux sites under CVS version control

Software Engineer

(VM Client) **Page-A-Day**

🌐 www.Page-A-Day.com

A product of Workman Publishing

- Converted over 150,000 retail customers into online users in the first five months after the January 2002 launch of this online version of Workman Publishing's popular Page-A-Day Desk Calendar products
- Add customizable interactions with email list management features
- Hosted, maintained and enhanced the system for 17 years (later, while at The Erlbaum Group)

ETL Developer and System Administrator

(VM Client) **Asia Society**

🌐 www.AsiaSociety.org

International Non-Profit Organization

- Migrated high-traffic legacy Cold Fusion sites, AsiaSource.org, AsiaBusinessToday.org and AsiaFood.org, from Netscape and Oracle on Solaris, to Linux running Apache and MySQL, eliminating licensing costs while improving performance and reliability
- Built custom mod_perl Events Calendar system with an automated weekly HTML Events Digest for 7000 subscribers, with web-based subscription services, formatting preferences and content filtering

KEYWORD TAG CLOUD

Perl	Python	Javascript	MySQL
JSON-RPC	XML-RPC	Git	TDD
Jenkins CI / CD	Selenium	Agile	
JSON	XML	YAML	PostgreSQL
Squid	Remote	Merge / Rebase	
Docker	Apache	Ngnx	Varnish
Vagrant	Ansible	Puppet	Chef

DEVOPS

Docker



Vagrant, VirtualBox & Amazon Linux AMI



GitLab: Jenkins CI/CD



AWS: CodeDeploy & CodePipeline



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