

**Mark Hedges – Los Angeles, CA**  
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[formdata.biz/MarkHedgesResume.pdf](http://formdata.biz/MarkHedgesResume.pdf) – [linkedin.com/in/hedges333](http://linkedin.com/in/hedges333)

Tools: OO Perl, Javascript, Bash, regular expressions, git, automated testing, MySQL, Oracle, MSSQL Server, HTML, CSS, JSON, AJAX, jQuery.

Portfolio: [metacpan.org/pod/Apache2::Controller](http://metacpan.org/pod/Apache2::Controller) – “whatever-view-controller” framework for mod\_perl2. Organizes URL handlers in an object framework. Configured with Apache2 directives. Reduces function overhead for very fast time between request and response. Rendering component with Template Toolkit. Automated tests using Apache::Test. Useful for REST handlers, database interfaces, template-driven web sites.

Education: B.A. in Philosophy, UC San Diego, 2000.

Experience: 10+ years software experience.

6/2015 – 4/2016

Back-End Engineer

Software Paradigms Int'l, Atlanta, GA (worked from Los Angeles by telecommute)

- Perl and Javascript engineering for international e-commerce web sites of Estée Lauder brands: MAC Cosmetics, Origins, Jo Malone, Bobbi Brown, etc.
- Debugged Apache mod\_perl based backend scripts with custom template framework and JSON based RPC calls.
- Wrote front-end Javascript functions for dynamic address menus, implementing complex business rules for highly regulated international cosmetics industry.
- Developed new version of profile photo upload, compatible with Akamai caching, using comprehensive unit tests.

3/2014 – 11/2014

Software development engineer

LiveNation / Ticketmaster, L.A., CA

- Perl software in big data environment sending marketing e-mails, web handlers, etc. with automated testing for software components.
- Developed Bash shell scripts for user environment on development VMWare development servers.
- Implemented use of git source control system for legacy perl code with custom tools for reconciling conflicting code.
- Implemented custom socket server to allow use of Kafka in legacy Perl version, to send data statistics to Service Oriented Architecture (SOA) cloud servers.
- Training on Hadoop, HDFS and Pig NOSQL systems.

10/2011 – 10/2013

Perl and Javascript software developer (contractor)

Qualcomm, San Diego CA (via Cydio Group)

- Perl software to send disk space alerts in huge filer environment.
- Perl application to manage data migrations, capable of tracking data across vast heterogenous filer environment, parsing data from diverse SNMP, XML and custom vendor data sources. Oracle relational database architecture design with integrity checks. Automated unit tests and functional tests using Apache::Test.
- Investigation for project to provide a universal script interface to system admin interfaces of many various commercial servers for mainboard reboots of stuck machines, with preliminary scripts using LDAP to query user permissions for Kerberos authorization.
- Threaded perl application reverse-engineering a C++ program to parse HDLC-format binary log streams from large numbers of development devices, parse and present for testers. Automated perl unit tests and functional tests using Test::Most, Test::More, etc.
- Training on MongoDB NOSQL system.
- Coordinated team of in-house and third-party front-end engineers with Jira to develop a complex Google Earth demo of the Neighborhood Small Cells Project.
  - Javascript ECMA5 framework for true object polymorphism, encapsulation and multilevel inheritance, using Qunit automated testing.
  - Developed and refined a formally structured in-house Model-View-ViewModel Javascript system using proprietary JSON-based RPC protocol over web sockets to back-end devices.
  - View objects using D3.js and jQuery for graphs, icons and other connected widgets.
  - Automated tests for factored View, ViewModel and Model components using Qunit and mock objects, developed from back-end API documentation without connected network.

6/2011 – 9/2011

Perl software developer (contractor)

Motorola Mobility, Sunnyvale CA

- Maintained Perl/MySQL ETL regexp scripts for Key Performance Indicators (KPI) harvested from subscriber phones, until new system was developed and deployed.

4/2008 – 6/2011

System administrator and Perl developer

CompanyV.com, Santa Monica CA

- Account database, system automation, SpamAssassin control panel.
- Customization/automation for openwebmail, mailman, sendmail, dovecot, etc.
- Automated unit and functional tests for developed code systems.

1/2008 – 2/2008

Javascript software developer (contractor)  
Ocarina Networks, San Jose CA

- Perl, Javascript, AJAX, YUI, HTML for enterprise compression appliance control panel.

6/2007 – 11/2007

Perl software developer (contractor)  
Yahoo!, Sunnyvale CA

- Perl development of API and automation for package deployment on server farms.
- Automated Perl tests for unit/functional test suite coverage and refined test architecture.

7/2006 – 10/2006

Perl software developer (contractor)  
Rand Corporation, Santa Monica CA

- Custom Perl shopping cart CGI for multiple internal vendor departments and payment processing methods, with code models for Microsoft SQL Server database using DBIx::Class, and enhanced data security reviewed by consultant from Symantec.
- Automated unit and functional tests in Perl using Test::More.
- Perl CGI subscription forms to enhance commercial mailing list software.

11/2005 – 6/2006

System administrator and Perl developer  
Cyberdefender.com, Los Angeles CA

- Perl, mod\_perl2 Apache handlers, Mason, MySQL, DBIx::Class, CGI::FormBuilder
- High-performance custom license management system and client/server interface.
- Object-oriented customer login interface and support tracking system.
- Automated unit and functional tests in Perl using Test::More
- Advertisement tracking system with real-time dynamic charts and graphs.
- Sandbox infrastructure for web developers using Subversion on Debian Linux.

9/2005 – 10/2005

Perl software developer (contractor)  
Warner Music Group, Burbank CA

- Perl/MySQL digital asset crawler, inventory database and search application to data-mine active server with legacy intellectual property purchased with Atlantic Records acquisition.

3/2005 – 7/2005

Perl software developer

Oversee, Los Angeles CA

- Template Toolkit re-implementation of HTML pages designed in Dreamweaver.
- Experimental object-oriented SQL abstraction system and mod\_perl handler framework.

10/2004 – 12/2004

System administrator

CobaltFX, Santa Monica CA

- Account management and Linux deployment system for graphics render farm.
- Diagnosed and attempted to repair second-hand servers.

9/2002 – 10/2003

Owner

LinuxDelivery.com, Santa Cruz CA

- Developed personal business to sell reclaimed computers. (Oops, they're broken.)
- Perl-based automatic installation scripts for Debian Linux (woody) using FAI.
- Web-based Perl/MySQL multi-supplier, multi-vendor e-commerce system.

1/2001 – 1/2002

Technical support engineer

Intermedia.NET, Palo Alto CA

- Technical support for Windows NT/Windows 2000 web server farm.
- Debugging of ColdFusion, ASP.net and other Windows-based web site scripts.

9/2000 – 12/2000

Web software engineer

iMedia Networks, San Jose CA

- PHP system to track support and billing requests.
- Designed database for video services.

2/1998 – 3/1998

Programmer/Analyst I

UC San Diego, Admin Computing/Telecom

- Perl scripts for management of campus LDAP directory.

7/1996 – 12/1997

System administrator and Perl developer

Anonymizer.com / Infonex, San Diego CA

- Solaris 2.6, Linux system administration for high-exposure, high-demand services.
- Perl/MySQL CGI for account admin and sales of Internet connection and privacy services.
- Helped start the company from the ground up.

4/1994 – 6/1996

Programmer/Analyst I

UC San Diego, Network Operations

- Campus networking phone and e-mail technical support.
- Cable, modem and server maintenance.