

# Resume of Rick Updegrave

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**Objective** Employment in a technically challenging environment where my experience and talent will be best utilized.

- Skills**
- Unix: FreeBSD, Linux, OpenBSD, Mac OSX, Sun Solaris, AIX
  - Windows: All versions since 3.0.
  - DOS: All versions.
  - Software development: LAMP, BAMP, PHP, PERL, Python, Bash/Shell, VBScript, XML/HTML, DHTML, JavaScript.
  - Software: Apache 1.x and 2.x, Oracle, MS SQL, MySQL, PostgreSQL, Jakarta Tomcat, Apache, PHP, PERL, qmail, djbdns, OpenSSH, OpenSSL, rsync, ArcGIS, MapServer.
  - Security: Checkpoint FW-1, pf, ipfilter, ipfw, Nessus, Nmap, Unicornscan.
  - Hardware: Dell 4400, 2850, 2900, HP LH series, Disk arrays, RAID, PC hardware of all types.
  - Self-motivated and self-driven.

- Experience** Contractor for Sapphire Technologies  
Hewlette-Packard, California  
December 2007 – March 2008
- Worked at Hewlette-Packard as a Linux/Apache security consultant.
  - Documented hardening the Apache Web server on Red Hat Enterprise Linux, Tomcat.
  - Built a prototype using LinuxCOE/SELinux Operating clone for a particular product launch.
  - Diagnosed network problems.

- Contractor For Robert Half Technology  
SureWest Directories, California  
March 2007 – April 2008
- Redesigned [www.surewestdirectories.com](http://www.surewestdirectories.com) website per their style ideas.
  - Made numerous content changes.
  - Proposed free, open-source solutions that would prevent them from paying for making content changes in the future.
  - Proposed a free ROI solution with regards to tracking customer ads.
  - Migrated the entire website to a new hosting company, multiple times.

Information Technology Specialist  
Office of the Governor, California  
July 2001 – Present

Applied expertise and knowledge of N-Tier application servers and Personal Computer technologies to the analysis, development and implementation of complex software products deployed at the Governor's Office of Executive Information Services (OEIS) as well as the Governor's Office of Planning and Research (OPR). Provided secure and easily used software solutions to customer processing needs

while minimizing the incidence and cost of implementing and supporting redundant software. Reviewed State Agency websites and make recommendations for improvement to promote the Governor's vision of customer-driven government services that are cost-effective, easily accessible and promptly delivered.

- Project technical lead on Governor's web farm/site [www.gov.ca.gov](http://www.gov.ca.gov).
  - Load balanced with fail over using all open source software.
  - Responsible for all backend functionality including mail server, database, customized scripting, server administration including security upgrades/updates and auditing.
- Project technical lead on First Lady's web site [www.firstlady.ca.gov](http://www.firstlady.ca.gov).
  - Load balanced with fail over using all open source software.
  - Responsible for all backend functionality including mail server, database, customized scripting, server administration including security upgrades/updates and auditing.
- Project technical lead on Governor's email system [www.govmail.ca.gov](http://www.govmail.ca.gov).
  - Included custom Subject: line that reflected current events to allow Director of Constituent Affairs to track millions of emails effectively and efficiently.
  - Project replaced a problematic \$900,000 per year sendmail-based system with many vendors with open source software and some used hardware.
  - Responsible for all backend functionality including mail server, database, customized scripting, server administration including security upgrades/updates and auditing.
- Project technical lead on first ever online appointments application form for employment at the office of the Governor [www.appointments.ca.gov/form/form.shtml](http://www.appointments.ca.gov/form/form.shtml)
  - Responsible for all backend functionality including mail server, database, customized scripting, server administration including security upgrades/updates and auditing.
- Project technical lead on CPR website [www.cpr.ca.gov](http://www.cpr.ca.gov) and CPR report.
  - The "CPR" California Performance Review ended in January 2006 the site/report is still online.
  - Responsible for all backend functionality including mail server, database, customized scripting, server administration including security upgrades/updates and auditing.
  - ht://Dig search engine.
- Project technical lead on [www.mediacenter.gov.ca.gov](http://www.mediacenter.gov.ca.gov).
  - All functionality eventually incorporated directly into [www.gov.ca.gov](http://www.gov.ca.gov) website.
  - Included custom scripting that allowed users to easily manage many media types.
  - Included first ever "podcasting" of weekly radio addresses.
  - Responsible for all backend functionality including mail server, database, customized scripting, server administration including security upgrades/updates and auditing.
- Project technical lead on [www.getgrants.ca.gov](http://www.getgrants.ca.gov)
  - This website started with several hundred users but lack of

enforcement/interest combined with the policy of clearing any posting over 6 months has left the site practically empty.

- Self-maintaining, very little need for administrator support.
- Responsible for all backend functionality including mail server, database, customized scripting, server administration including security upgrades/updates and auditing.
- Represented Director of the Governor's Office of Planning and Research on the Geographic Information Systems Council (GIS), California Mapping Committee (CMCC) and digital California Project (under Gray Davis only).
- Created GIS maps for the Governor's Office of Planning and Research (under Gray Davis only).
- Samba support.
- Checkpoint Firewall 1 NGX on Solaris 10 maintenance and staff support.
- Shell scripting, Perl, PHP, MySQL, Apache, Expression Engine CMS on FreeBSD.
- Several firewalls: IPFW on Solaris Unix, FreeBSD and OpenBSD, M0n0Wall, Smoothwall, and FW-1.
- Unix Systems Management: qmail, MySQL, PHP, Apache, Performance monitoring, Samba, NFS, Cron, RCS, CVS, SVN, tar, user account management, network plumbing, static routing.
  - Benchmarking..
  - Custom scripting for internal customer base: PHP/Bash/Shell/XML/HTML.
  - Various application development for client systems running Microsoft Windows in a VMware session and vice-versa.

**Experience** Updegrove Design  
Owner-Operator  
March 1996 – December 2003

- Operated small ISP startup.
- Designed, developed, and programmed custom web-based solutions.
- Hosted and registered websites (domain name registrar) email and DNS services.
- Provided mobile desktop support for home and small businesses.

**Education** Associates Degree with Honors: Design Technology, December 1998..  
Certificate of Achievement in Design Technology, December 1998.  
American River College, 1994 to 1997, Mechanical Engineering Major.

**References** References available on request.