

**David Alan Magalnick**  
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URL: <http://www.magalnick.com/portfolio>

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#### SUMMARY:

Senior Web Developer, Senior Database Developer;  
Web Programmer, Database Architect, Linux / UNIX Administrator, Project Management, Client / Server Certification, Web Administrator Certification, PHP, SQL, Perl, mod\_perl, XML, JSON, SOAP Web Services, AJAX, Javascript, LAMP, HTML, DHTML, CSS, LDAP, Object-Oriented Programming, Mathematically and Analytically Inclined, Detail Oriented, Effective Problem Solver, Quick Learner, Driven to Succeed

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#### TECHNICAL SKILLS:

##### Programming Languages:

PHP, SQL, XML, Perl, mod\_perl, Javascript, JSP, Java, HTML, DHTML, CSS, ASP, Visual Basic

##### Operating Systems:

FreeBSD UNIX, Solaris UNIX, SUSE / openSUSE Linux, Red Hat Linux, Windows Server 2008/2003, Windows 7/XP/2000/NT, Mac OS X, DOS

##### Other Technologies, Programs and Skills:

MySQL, Oracle, Microsoft SQL Server, SOAP Web Services, AJAX, JSON, UML, Xen and Elastic Cloud Computing (EC2), Amazon Simple Storage Service (S3), LDAP, Microsoft Active Directory, Genesis & SAP ERP Systems, Apache Web Server Configuration, Drupal Content Management System, HubSpot, Webalizer, Google Analytics, ChemOffice / ChemFinder, Visio, Rational Rose, LabelVision, CGI, EDI, Telnet / SSH, FTP, TCP/IP, Subversion / CVS / RCS, Model / View / Control (MVC) Design Principles, Homesite, DreamWeaver, Adobe PhotoShop, Technical Writing and Documentation

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#### WORK EXPERIENCE:

##### Tableture, Inc. ([www.tableture.net](http://www.tableture.net))

11/2010 - present

##### Lead Developer, Architect;

Tableture is a tablet application designed to serve community newspapers that don't have the resources to develop their own mobile applications. Designed the MySQL database schema to store downloaded news feeds. Developed the back-end server application in PHP to receive requests from the mobile application, process the requests, and return back the news feed data in JSON format. Developed cron jobs to download and process the news feeds from their source and store them in the local database.

##### Tech4Learning, Inc. ([www.tech4learning.com](http://www.tech4learning.com))

San Diego, CA

04/2008 - present

##### Senior Web Developer;

##### Senior Database Developer;

##### openSUSE Linux Server Administrator;

Responsible for all web-based applications and web servers. Develop new and maintain existing web applications in PHP, connecting to a MySQL database in a LAMP environment. These applications include the corporate Drupal content management system, e-commerce website, internal database management and file management website, image catalog database and web interface, educational software tutorials and lesson plans website, e-marketing form handler database and others. Build and maintain openSUSE Linux servers to run all websites and their MySQL databases. Designed the 100+ table database schema and developed an online application in PHP, AJAX / Javascript, CSS, XML and MySQL that allows the company's desktop software applications to save student projects remotely onto the web application's server. All communications between the desktop and web applications are in XML via HTTP post. Built a custom Elastic Cloud (EC2) server using a Xen kernel on openSUSE to host the web application. Using Amazon S3 for the application's file storage. Developed the application's web front-end in AJAX, Javascript and CSS. Developed the back-end application in PHP and MySQL to host and serve student projects that are viewable from mobile applications

like the iPad. Implemented the Drupal CMS to launch a new version of the corporate website. This site launch used heavy PHP for custom site modifications and CSS for page design. Implemented HubSpot, Webalizer and Google Analytics for website tracking.

EMD Chemicals Inc. ([www.emdchemicals.com](http://www.emdchemicals.com))

San Diego, CA

06/2005 - 04/2008

Global Web Developer / Analyst; FreeBSD UNIX Server Administrator;

Responsible for all web-based applications and web servers. Developed new modules and maintained existing web-based applications in mod\_perl and Apache::ASP, connecting to both MySQL and Oracle databases. These applications included the global e-commerce website, intranet, product database of biological and chemical research components, content management system, product labeling, credit card processing system, catalog publishing, e-marketing and others. Built and maintained FreeBSD UNIX servers to run all websites and the MySQL database. Developed a chemical structure search in Perl, MySQL and Javascript where a user can draw a partial chemical structure and search for matches against a database of complete structures. Successfully migrated all web-based applications from Genesis to SAP. Developed and maintained a "WebService" client class to allow Perl to make a SOAP call to a complex Java or .NET Web Service application server. Wrote a formal proposal to adopt the Google Search Appliance as the official company-wide search engine. Configured the Google Search Appliance and developed the web interface to display the search results using Perl and AJAX. Maintained a Java custom SAP plug-in that controls product shipments. Created & maintained XML templates to control product page displays. Developed a Perl, AJAX and CSS interface to save user preference changes on the fly. Converted web applications from functional Perl to object-oriented Perl. Decreased website page load times by 75% by streamlining the navigation module.

Memec, LLC (Acquired by Avnet in 2005, [www.avnet.com](http://www.avnet.com))

San Diego, CA

07/2001 - 05/2005

Senior Web Programmer / Web Team Technical Lead;

Designed the database and developed the administrative maintenance tools for a ground-up rebuild of the corporate website in object-oriented PHP and MySQL. Modules on this site include a custom content management system, custom file and image server and custom product database. Designed a comprehensive tool to simplify Localization and website translations for the corporate website. Used PHP, MySQL, LDAP, XML to implement and customize PostNuke CMS for the company intranet in a LAMP environment. Developed an interface in PHP to allow users of PostNuke to validate their login credentials against the company LDAP Active Directory network. Developed custom modules for PostNuke, including an EDI project-tracking tool. Developed an additional layer of security into the publishing system for PostNuke. Developed an XML interface in PHP and Java to access and search a third-party parts database. Reverse engineered the BroadVision CMS Oracle database to write an administrative management tool in Perl and JSP. Regularly received the rating "Performance consistently exceeds requirements" on annual performance reviews.

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#### EDUCATION:

University of Colorado

Boulder, CO / Denver, CO

Bachelor of Arts; Communication, with an emphasis on Public Relations and Technical Writing.

#### PROFESSIONAL CERTIFICATIONS:

\* San Diego State University

Client / Server Certification; Oracle, Visual Basic, ASP, SQL, PL-SQL, Project Planning & Project Management, Multi-Tier MVC Application Design

\* San Diego State University

Web Administrator Certification; HTML, Javascript, Perl, Java, Unix/Linux Administration

#### FURTHER TRAINING INSTITUTIONS:

\* University of California, San Diego

\* San Diego State University

\* Northeastern Illinois University

\* Haifa University, Israel