

Carlos Vazquez

Website Developer and MySQL DBA

Orlando, FL 32814

www.carlosvazquez.org

[LinkedIn Profile](#)

Objective

I have 14 years experience as a Website Application and MySQL Database developer. I also administer multiple Apache Web, MySQL and Mail Linux servers. I seek to utilize and enhance my skills, while helping to make the company I work for successful.

Skills

Programming: Coldfusion v4.5 to 9 utilizing an MVC framework, SQL, HTML, CSS, PHP, PERL, Python, XML, JavaScript, JQUERY, APIs, Regular Expressions

Databases: MySQL 5.6.13 (Developer, Administrator, Stored Procedures, Views, Triggers, Replication). Active Record, ETL, MongoDB

Servers: Apache HTTP Server v2.2, IIS, Redhat Linux, MySQL v4, 5.0.27 and 5.6.13, Coldfusion v3.1 to 9, Sendmail, Urchin, Unison, SSL, SSH, Samba, DNS

Analysis/Design Methodologies: ERDs, UML, Google Analytics/Webmaster, Agile Development (Scrum, eXtreme Programming), Business and Technical Requirement documentation, User Stores and Use Cases

Development tools: Eclipse, MySQL Query Browser/Administrator/Workbench, Heidi SQL, JEdit, Tortoise SVN, GIT

Education and Certifications

University of Central Florida - Graduated 2004 - Computer Science BS

Attended courses in: Data structures and algorithms, Discrete structures (Logic and Proofs), Computer Architecture (Logic gate Theory), Natural languages and Grammars, Operating Systems, Relational Database theory, Java, C / C++, Pascal, UML, UNIX

Certifications

- MySQL DBA Professional Certification - 2013
- Certified Advanced ColdFusion MX Developer - 2004
- M101: MongoDB for Developers - 2012

Experience

Mojo Interactive, Orlando, FL October 1998 - Present

Senior Website Developer and MySQL DBA

Website Application Projects

- Lead developer for www.locateadoc.com and www.practicedock.com.
- Provided support for Mojo Interactive clients and PEC Next Generation websites.
- Developed complete website applications, designed database tables, refactored and optimized code, queried data for extensive reporting of user behavior.
- JQuery projects: Custom overlays, Dialog UI, IViewer to edit before and after gallery images, tablesorter, performed AJAX requests, capturing of events for server side tracking.
- Created Functional, Unit and Regression tests of applications.
- Developed scripts to communicate with API's such as Salesforce, Marchex, Yext, Twitter OAuth and Google. Created an API for clients to access locateadoc.com doctor data.

Database Projects

- Migration of data from MySQL v4.0, 4.5, 5.0.27, and finally to v5.6.13
- Performed a complete redesign of the LocateADoc database, plus migration of data through the use of stored procedures.
- Installed and configured MySQL servers, compiled from source code and installed from Linux packages.
- Standardize and normalize table designs and data
- Analysis and optimization of queries through indexes, DB and Linux server memory tuning, and denormalization of data
- Manage user security at every level, from the server, database, table to column level, stored procedures and execution privileges
- Setup multiple replication servers for Master/Slave, backup, reporting and development environments. Used JDBC and MySQL Proxy to balance load and fail over.
- Utilize Maatkit to synchronize replication data

Servers

- Managed 5 Redhat Enterprise Linux v4 to v5.5 servers and 2 CentOS 6.4 servers in production; including 2 Apache HTTP servers hosting over 100 websites on a load balancer, 2 MySQL DB servers and 1 Sendmail server.
- Created SSL keys. Synchronized data using Unison. Reported on Apache virtual logs using Urchin. Use Samba to create shares utilized by Linux and Windows clients. mod_rewrite for SEO requests.
- Created custom scripts to rotate logs, monitor server resources and client websites

- Utilize commands such as awk, grep, find and top to perform sys admin duties
- Managed mirroring development servers running respective CentOS versions.
- Created sets of server log reports written in PERL, PHP and Python, that monitor Coldfusion, MySQL and Linux server resources, including emailing of daily reports for the MySQL slow query log, CF server logs, server disk space, various website and email server

SEO Research and Implementation

- Developed XML/HTML Sitemaps.
- Analyze Google Webmaster tools and Analytics, to identify problems and implement solutions.
- Apply solutions from Google Webmaster Blog

Documentation

- Created a set of documentation templates to support the Software Development Life Cycle (Business and Technical Requirements, Testing, Reviews) and Agile Development (Scrum).
- Created project proposals and estimates.

Code Samples

<https://github.com/cvazquez>

References

Available upon request