

Objectives:

Skilled database administrator and programmer with eight years' experience with large-scale MySQL databases and also Microsoft SQL Server and Oracle databases. Seeking a challenging position to help maintain and improve database infrastructure. Aiming to work in areas such as education or health care.

Technical Skills:

Databases: MySQL, SQL Server

OS: Linux

Languages: Perl, PHP, Bash shell scripting language, HTML5, CSS, Javascript

Professional Experience:

Impact Telecommunications, 2008-current

Senior Database Administrator:

- Database administrator for multiple large (2-5 TB) MySQL databases
- Maintain multiple production and test MySQL instances running MySQL 5.7 on Red Hat Linux systems
- Maintain, develop, and tune over 4 dozen MySQL servers comprised of several dozen schemas
- Manage replication, including partial replication and multi-level replication
- Manage and maintain standard tasks to perform basic database functions and provide reports
- Make extensive use of shell scripts, Perl programs, and the "cron" facility of Linux to perform above task
- Devise and execute critical backup procedures for the company's databases
- Create, maintain, and enhance office web site for database group to monitor in real-time the health of system (slave performance, disk space usage, number of connections, *etc.*) using PHP, HTML, Javascript, and AJAX.
- Provide timely reports on the current state of the databases
- Maintain Microsoft SQL Server 2000 database of approximately 100 GB plus other SQL Server 2010 databases

Hoover's Inc., 2007-2008

MySQL Database Administrator:

- Database administrator/programmer for both MySQL and Oracle databases
- Maintain multiple production MySQL instances (both MySQL 4.1 and 5.0) running on Debian and Red Hat Linux systems
- Maintain multiple development MySQL instances
- Maintain, develop, and tune several dozen databases of between 20 and 60 gigabytes
- Manage multi-tier replication

Jim Lyons - Computer Professional, Austin, TX

- Update production data from corporate feeds
- Plan and architect system upgrades and site improvements to increase efficiency
- Identify and remove single points of failure
- Coordinate with project managers to provide database support for mission-critical projects
- Manage and maintain standard tasks to perform basic database functions and provide reports
- Make extensive use of shell scripts, Perl programs, and the "cron" facility of Linux to perform above task
- Devise and execute critical backup procedures for the company's databases
- Create, maintain, and enhance office intranet web site for systems and database group to monitor health of system and record system change requests
- Assist in managing corporate Oracle database
- Review Oracle PL/SQL stored procedures

University of Texas at Austin: Office of Telecommunications Services, 2001-2008

Operating Systems Specialist

- Database administrator and SQL programmer for several MySQL databases
- Applications programmer for multiple web-based applications used by both staff and customers
- Webmaster and programmer for multiple web sites hosted by OTS
- Lead in ensuring that public web sites are accessible under such rules and guidelines as the WCAG 1.0 and Section 508
- Programmer (PHP, Perl)
- Webmaster and web programmer for multiple web sites and ensured that public-facing web sites are accessible under the rules and guidelines of WCAG

UT Austin: IC2 Institute, 1999-2001

Oracle DBA and web programmer, EnterTech project:

The EnterTech project was a specially-funded project of the IC² Institute. The project developed an e-learning application that used an Oracle database to power a table-driven application written in Perl.

- Oracle 8i DBA and network administrator
- Oracle SQL, PL/SQL programmer
- Perl programmer
- Wrote and maintained a Web-based utility to enable staff administrators to maintain database data and to enable instructors to maintain class data.
- Wrote an install procedure for the entire product as well as the documentation for it
- Modified the database schema and configuration to improve efficiency.

UT Austin: Computation Center, 1984-1999

Programmer and Database Administrator:

- Programmer using FORTRAN, C, ISPF, SAS, and SQL/DS on IBM mainframes and UNIX boxes
- Designed resource accounting system for IBM unit of the Computation Center
- Maintained user database
- Wrote a complex user-interface system using the ISPF user-interface program as front-end for IBM's Document Composition Facility

American Founders Life, 1982-1984

Programmer

- Programmed mainly in IBM-370 Assembler Language and COBOL against the Life70 data system created by TCC
- Use IBM-370 JCL to control job flow

Information Management Services, 1979-1982

Programmer/Analyst

- Wrote data processions programs in COBOL for small, private contract company that did statistical programming for the National Cancer Institute
- Wrote statistical programs in FORTRAN on a DEC 10
- Ran large-scale SPSS programs for statisticians at NCI

Education

BA from the American University in Washington, DC in a combined major of economics and applied statistics.

MA from the University of Texas at Austin in American history.