

Miguel Angel Nieto

MySQL Senior DBA

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Professional Experience

- Percona **Senior Technical Services Engineer, 10-2011.**
- **Investigation and resolution of Support issues:** Oracle's MySQL, MySQL Cluster (NDB), MariaDB, Amazon's Relational Database Service (RDS), Percona XtraBackup, Percona Toolkit, Percona Server, Percona XtraDB Cluster, Percona TokuDB and Percona TokuMX.
 - **Replication:** asynchronous, Galera Cluster, GTID, semi-sync. Implementation, troubleshooting, master-slave promotions...
 - **Backups:** XtraBackup, mysqldump, mydumper. Scripting, alerts and managment...
 - **Query optimization:** schema changes, indexing, pt-online-schema-change, pt-query-digest...
 - **Troubleshooting:** MySQL crashes, performance problems (OS and MySQL), configuration advice, upgrades...
 - **SSC (Shift Support Captain):** emergencies, 24x7 oncall service and issue's dispatch.
 - **Write technical posts** on <https://www.percona.com/blog/author/miguelangelnieto/>
 - **Bugs reported:**
 - <http://goo.gl/qukTF9> - <https://bugs.launchpad.net/~miguelangelnieto/+reportedbugs>
- Percona **EMEA Regional Support Manager, 06-2012/09-2015,** A part from the Principal Technical Services Engineer tasks I also worked as EMEA Manager .
- Training junior engineers and interns. Improve their technical skills from level 1 engineer to level 3 (highest role in Percona Support).
 - Schedule 24x7 covering for EMEA and shift planning.
 - Management and maintenance of workflow and processes.
 - Quality assurance and procedure improvements inside the department. Review of technical issues.
 - Management of vacation, holiday and expenses requests.
 - Ensure that deadlines, response time, quality and SLA requirements are always met.
- Arsys Internet **Technical Consultant and TAM, 01-2011/09-2011.**
- Technical consultant in the "Advanced Solutions" department, handling and designing the biggest and more complex consulting projects for Arsys' customers.
 - Second level support.
 - Working on heterogeneous environments. Windows 2008, GNU/Linux, HA, Load Balancing, Clustering, Cloud Computing, MySQL and SQL Server databases, Apache, IIS, Plesk, Cpanel (WHM), Exchange 2010, Postfix, Veritas Backup, VMWare, XenApp, etc.
 - TAM of the largest Arsys' customers. Technical advice, incident management, project organisation and support. Available 24x7.
- Irontec **System Administrator, 05/2007/12-2010.**
- Specialised in SMTP, Web, virtualization, monitorization and security.
 - Installation and commissioning of different services for customers with load balancing and HA. Subsequent support service.
 - Administration of the shared hosting service of Irontec.
 - Provide training and consultancy about free software technologies.
- Kider **System Operator and I+D, 12/2003-04/2007.**
- Hardware maintenance, installation and configuration of software on Windows (office and design software) and Linux (e-mail, security and database services).
 - Network control and security by deploying intrusion detector solutions.
 - Technical support (also remotely) of company services and its delegation's employees.
 - Promoted to I+D department.

Presentations: training and talks (last 6 years)

- 2014 **Percona and Free Software**, *Librecon*, 1 hour.
- 2014 **BOF MySQL 5.6**, *Percona Live 2014*, 10 hours.
- 2013 **GTID Replication in MySQL 5.6**, *Percona University Toronto*, 1 hour.
- 2012 **Percona InnoDB, DBA and Dev Training**, *Private Training*, 30 hours.
- 2010 **MySQL Replication and HA with Pacemaker/Corosync**, *B2B2000*, 10 hours.
- 2010 **E-mail servers, IM and Distribution lists**, *AEG*, 15 hours.
- 2010 **Linux Administration and Advance Bash Scripting**, *Tekniker*, 10 hours.
- 2010 **MySQL Server Optimization and Troubleshooting**, *UPV/EHU*, 5 hours.
- 2010 **Advanced Apache Training and HA**, *Hispavista*, 10 hours.
- 2010 **MySQL, Optimization and HA**, *Hispavista*, 10 hours.
- 2010 **Antispam/Antivirus with Postfix/Mailscanner**, *Aelvasa*, 20 hours.
- 2009 **Linux Administration, Networking and Security**, *Ayto. Barakaldo*, 20 hours.
- 2009 **Linux Administration and Advance Bash Scripting**, *Euskaltel*, 30 hours.
- 2009 **Linux Server monitorization**, *Hispavista*, 8 hours.
- 2009 **Apache, Tomcat and JBoss**, *Ayto. Barakaldo*, 24 hours.
- 2009 **Apache, Tomcat and JBoss**, *Ayto. Barakaldo*, 24 hours.
- 2009 **Antispam/Antivirus with Postfix/Mailscanner**, *Servimática*, 8 hours.
- 2009 **Apache, DNS, DHCP, NIS and NFS**, *Agencia Europea para la salud*, 16 hours.

Technologies used during my professional career on different projects

- **Virtualization:** *XEN, OpenVZ, VMWare, KVM, VirtualBox, Proxmox, Docker*
- **E-mail and communication services:** *Postfix, Postfixadmin, Zimbra, MailScanner, Mailwatch, Courier, Dovecot, Cyrus-SASL, SpamAssassin, Procmail, IMAPSync, POP2IMAP, Squirrelmail, RoundCube, Funambol, Jabber, MailMan, MailGraph*
- **Databases:** *Percona Server, Percona XtraDB Cluster, MySQL, MySQL Cluster, PostgreSQL, Oracle, SQLite, MongoDB, Percona Toolkit, TokumX*
- **HA:** *DRBD, Heartbeat, replicación MySQL, MongoDB, MySQL MMM, GLB, KeepAlived, mod_proxy_balancer, LVS, DNS RoundRobin, PRM*
- **Benchmark and Tunning:** *Sysbench, IOstat, VMstat, SAR, netstat, pidstat, AB, Postal, IPerf, JMeter, pt-upgrade, Percona Playback*
- **Monitorization:** *Munin, Cacti, Nagios, Centreon, PandoraFMS, Mon, MonYOG, MySQL Workbench, iptraf, phpLogCon, SeveralNines ClusterControl, NewRelic*
- **Development:** *BASH, Ruby, Subversion, Github, WebSVN, Python*
- **Web services:** *Apache, Lighttpd, Tomcat, PHP, MySQL, Squid, SquidGuard, FastCGI, Moodle, SugarCRM, Prestashop, JasperServer, Mantis, AWStats, Mod_Status, Mod_Rewrite*
- **Hosting:** *Cpanel, WHM, Plesk Windows, Plesk Linux*
- **Security:** *ClamAV, Nod32, Panda, Snort, IPTables, Guardian, Bacula, Rdiff-Backup, BackupPC, IPCOP, PFSense, OpenSSL, nmap, Mod_Security, Percona XtraBackup*
- **Operating Systems:** *Debian, CentOS, RedHAT, Fedora, ArchLinux, FreeBSD, Windows 2003*
- **Integration:** *Active Directory, OpenLDAP, Samba, Mod_Authz, Puppet*
- **Storage:** *LVM, OpenFiler, MogileFS, GlusterFS*
- **Streaming:** *Flash Media Encoder, Flumotion*
- **Other services:** *BIND, PowerDNS, Rsyslog, OpenVPN, HylaFAX, Quagga, NUT*

Education

2001–2003 Associate's degree, Network and System Administrator

Certificates

- 2015 **MongoDB DBA**, C100DBA.
- 2015 **MySQL 5.6 DBA**, 1Z0-883.
- 2011 **Citrix XenApp 6**, CCA.
- 2011 **MySQL 5**, SCMDEV.
- 2010 **MySQL Cluster 5.1**, CMCDBA.
- 2010 **Oracle 11g**, *Administrator Certified Associate*.
- 2009 **MySQL 5.0**, SCMDBA.
- 2009 **Cisco**, CCENT.
- 2009 **GNU/Linux**, LPIC-1.

Complementary Education (last 6 years)

- 2015 **MongoDB for DBAs 202**, *MongoDB University*, 7 weeks.
- 2015 **MongoDB for DBAs 102**, *MongoDB University*, 7 weeks.
- 2014 **Query Optimization with MySQL 5.7 and MariaDB 10**, *Percona Live*, 3 hours.
- 2014 **From Relational to Hadoop - Migrating your data pipeline**, *Percona Live*, 3 hours.
- 2014 **Introduction to MongoDB for MySQL Users**, *Percona Live*, 3 hours.
- 2011 **Zabbix installation and configuration**, *Arsys*, 20 hours.
- 2011 **XenApp installation and administration**, *Arsys*, 30 hours.
- 2011 **XenDesktop installation and administration**, *Arsys*, 30 hours.
- 2009 **Oracle 10g Administration**, *Consultec*, 40 hours.