

## Darren Cassar

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CONTACT INFORMATION	385, Manila Avenue, Jersey City, NJ 07302 Cell: (518) 966-2582 E-mail: darren@darrencassar.com URL: www.darrencassar.com	
CITIZENSHIP	Maltese	
EDUCATION	<b>MySQL INC / Oracle CORP</b> , Certifications: <ul style="list-style-type: none"><li>• MySQL Developer-I <b>2010</b></li><li>• Certified MySQL DBA <b>2008</b></li></ul> <b>University of Malta, Tal-Qroqq, Malta</b> , <b>2005</b> Bachelors in Computer and Communications Engineering Honors Thesis: <ul style="list-style-type: none"><li>• A web based network monitor and bandwidth manager</li></ul> <b>G.F. Abela Junior College, Msida, Malta</b> <b>2000</b> Advanced Level Subjects: <ul style="list-style-type: none"><li>• Pure Mathematics, Physics, Typing</li></ul> Intermediate Level Subjects: <ul style="list-style-type: none"><li>• Chemistry, Sociology, Italian, Systems of Knowledge</li></ul>	
WORK EXPERIENCE	TradingScreen UK, London, UK <b>2009</b> TradingScreen Inc, NYC, NY, USA <b>2010</b> MySQL DBA <ul style="list-style-type: none"><li>• At TradingScreen my main responsibilities are to design, implement and maintain the company's MySQL setup from ground up and migrate the current Sybase databases, data and scripts to MySQL. Other subtasks include scripting and automating as much jobs as possible, including backups, nagios monitoring and MEM (mysql enterprise monitor) , restoring data, ddl compare, master slave comparison, designing HA solutions for new and old setups and more. On the data analysis side my responsibilities include maintaining the data warehouse platform running on Infobright and migrating preexisting reporting stored procedures.</li></ul> <p><i>TradingScreen is a global provider of electronic trading solutions. Through the innovative use of technology, TradingScreen delivers a proven execution management platform and a global network to access any market, any counterparty and trade any financial instrument, anywhere. Tradingscreen was established in 1999</i></p> <b>Ixaris Systems Ltd, Malta</b> <b>2007-2009</b> MySQL DBA <ul style="list-style-type: none"><li>• My duties as a database administrator at Ixaris (a financial services company) consisted mainly of safeguarding and improving the live databases and failover servers which consisted of a three step geographically distributed replicated set of servers based in three different locations in Europe.</li></ul>	

My responsibilities as a DBA included:  
Installing and configuring of hardware and software.  
Monitoring and administering DBMS security.  
Analyzing the data stored in the database, pinpoint weaknesses and propose fixes.  
Modeling the data to optimize the system layout.  
Backup databases, perform upgrades and deploy fixes / new objects.  
Setup and maintain the data warehouse tuning it when necessary.  
Improving overall performance of the live database.

During the last few months of my stint at Ixaris, my role of a DBA included that of Data Security Officer implementing a company data access and security policy as well as a Data Dictionary, which consisted of all types of data, their producers, administrators and consumers. This involved categorizing, tagging and running spot checks on data customers in order to identify any leakage / security holes in the system.

*Ixaris makes global payments as easy, rapid and accessible as the flow of information on the Internet. Operating since 2003, Ixaris' EntroPay Virtual Visa product is Europe's first and most successful virtual card program.*

Ixaris Systems Ltd, Malta

**2006-2007**

Systems Engineer

- At Ixaris Systems (as a systems engineer) I was responsible for the production servers uptime, dynamic and static releases as well as configuring new systems with Apache, JBOSS and MySQL. All production servers ran Solaris 8 or 10, while testing and internal systems varied from Solaris 8, 9 and 10 to Windows servers. I was also responsible for installing several new systems including production servers with ZFS, raidZ and migrating live databases with minimal downtime.

Vodafone Malta Ltd, Malta

**2005-2006**

Systems Engineer

- At Vodafone Malta LTD, I was one of a three member team making up the Systems and Support department. Our focus was to maintain more than sixty production servers including the SMSC (short message service center), MMSC (multimedia message service center), VOIP (voice over IP), its portal, as well as top-up systems, banking gateways, etc. This experience forged my career by enabling me to work under constant pressure on multiple issues concurrently. Servers managed by the Systems and Support department were diverse, including UNIX (solaris), HPUNIX, Linux and Windows 2003.

At Vodafone I dealt with an assortment of technologies like Jboss-Tomcat, Apache, IIS, Perl, Oracle, MySQL, BASH, networking etc.

*Vodafone Group Plc is the world's leading mobile telecommunications company, with a significant presence in Europe, the Middle East, Africa, Asia Pacific and the United States through the Company's subsidiary undertakings, joint ventures, associated undertakings and investments. Vodafone Malta Ltd is a subsidiary of Vodafone Grp Plc and was established in 1982.*

Methode Electronics Ltd, Malta

**2004**

Software Development Engineer

- During my fourth year at University while reading for my engineering degree I was employed by Methode Electronics Ltd and worked in the Design Electric section as

a software developer designing and developing test tools in Borland Visual C++. This company produces electric car components (switches) used in ignition, gas and electric windows amongst others. Design electric task was to produce test software for 100

*Method Electronics is a leading developer of custom-engineered and application-specific products and solutions utilizing the latest technologies. From biometric identification utilizing the unique characteristics of human skin structure; to magnetic signature sensing of mechanical and electrical properties; to the revolutionary solid-state touch sensitive switches used in today's appliances and automobiles, Methode's extensive toolbox of technical solutions help our customers differentiate their products.*

TRAINING	<b>OReilly</b> MYSQL Conference and Expo (as a speaker)	<b>2010</b>
	<b>OReilly / Sun</b> MYSQL Conference and Expo	<b>2009</b>
	<b>MySQL Inc</b> MYSQL Performance Tuning	<b>2007</b>
	<b>MySQL Inc</b> MYSQL Database Administrator Course	<b>2006</b>
	<b>University of Malta, Malta</b> Unix usage, scripting and administration Beginner, Intermediate, Advanced courses over 15 weeks.	<b>2005</b>
	<b>University of Malta, Malta</b> CCNA course spanning 12 weeks	<b>2005</b>
OPEN SOURCE AND COMMUNITY	<b>Lectures</b> <ul style="list-style-type: none"><li>• OReilly MySQL Conference and Expo 2010 in Santa Clara California</li><li>• MySQL University (Online) February 2010 &amp; June 2010</li><li>• FROSCON 2009 in Germany</li></ul>	
	<b>MySQLPreacher</b> <ul style="list-style-type: none"><li>• As from December 2008 I started contributing blog posts to the MySQL community periodically on my blog <a href="http://www.mysqlpreacher.com">http://www.mysqlpreacher.com</a>. Such posts vary in subjects, from HA and replication, to security and general administration. I also contribute code to <a href="http://forge.mysql.com">http://forge.mysql.com</a> from time to time.</li></ul>	
	<b>Securich</b> <ul style="list-style-type: none"><li>• I have developed a security plugin for MySQL which enhances overall security. It includes functionalities like roles, password expiry, user cloning, immediate user isolation, password minimum requirements etc. The package can be found at <a href="http://securich.com">securich.com</a>.</li></ul>	
	<b>SAM-My</b> <ul style="list-style-type: none"><li>• I have developed an application manager for Securich (described above) using PHP, Javascript and HTML. This is a GUI tool for administering MySQLs security without making use of CLI. The package can be found on google code as 'sam-my'.</li></ul>	

INTERESTS            Photography  
Photography is my main hobby although I have many other hobbies like archery, foosball, movies, checkers etc. I dedicate a lot of time to photography and enjoy enlarging my showcase of digital shots on my website [photomalta.com](http://photomalta.com).

Automation  
I like to automate processes for efficiency and fun. My scripting languages of choice are bash and expect. Some things I automated for personal use are installation, testing and release of securich, logins to the company machines and debugging of scripts on Sybase machines.

LANGUAGES            English, Maltese, Italian, French

TECHNOLOGY  
SNAPSHOT            SQL, BASH, VI  
SED, AWK, C, Expect, PHP  
UNIX, Linux, MAC OS (OS of choice), DOS, Windows  
MySQL engines InnoDB, MyISAM, Infobright, Archive and Memory  
MySQL Replication  
Sybase

REFERENCES           Available upon request