

# Johnny Morano

<http://jmorano.moretrix.com/>  
jmorano@moretrix.com

## Personal record

Date of birth:	27 April 1978
Civil state:	Single
Nationality:	Belgian
City	As (Belgium)
Drivers license:	B
Availability:	4 to 6 weeks
LinkedIn	<a href="Http://www.linkedin.com/in/johnnymorano">Http://www.linkedin.com/in/johnnymorano</a> (include recommendations)

## Languages

Language	Level	
Dutch	Mother tongue	
English	Spoken: Excellent	Written: Very good
French	Spoken: Moderate	Written: Basic
German	Spoken: Good	Written: Good

## Education & training

Period	Education + School
1990 - 1993	Latin-Mathematics at Koninklijk Atheneum Genk
1993 - 1996	Mathematics-Science at Koninklijk Atheneum Genk
1996 - 1998	Computer Science at L.U.C. (Limburg University Center) Diepenbeek (now University Hasselt)
1998 - 1999	Applied Computer Science at Hogeschool Limburg Diepenbeek

<b>Course</b>	<b>Training center</b>
Linux Basics	IBM Learning Services (1999)
Linux System Administration	IBM Learning Services (1999)
Linux Shell Programming	IBM Learning Services (1999)
Linux TCP/IP	IBM Learning Services (1999)
Linux as a Webserver	IBM Learning Services (1999)
Mastering UNIX Shell Scripts	Cronos (2002)
Intranet and Internet Security	Inteach (2000)
Ethical Hacking	ScanIT (2005)
Offensive Security 101	Offensive Security (online course) (2006)
Advanced Performance and Security (on Linux)	Linux Belgium (2008)
Digital Photography	Nikon School Belgium (2011)

## Years of experience

This is a short summary, it is not a complete list.

<b>Experience</b>	<b>Knowledge</b>
> 10 years	<ul style="list-style-type: none"> <li>• <b>OS:</b> Linux (Debian, Ubuntu, Red Hat)</li> <li>• <b>Networking:</b> TCP/IP stack</li> <li>• <b>Programming:</b> Bash, SQL, Perl, HTML, CSS, XML</li> <li>• <b>Database:</b> MySQL, PostgreSQL</li> <li>• <b>Daemons:</b> Apache Web Server, Postfix Mail Server, Sendmail Mail Server, Bind DNS Server, Courier IMAP Server</li> <li>• <b>Documentation:</b> Perldoc, Office Tools (OpenOffice + Microsoft Office)</li> </ul>
5 to 10 years	<ul style="list-style-type: none"> <li>• <b>OS:</b> Solaris, Mac OS X</li> <li>• <b>Networking:</b> IPTables Firewalls, OpenVPN Networks, SNMP Agents</li> <li>• <b>Database:</b> Oracle,</li> <li>• <b>Programming:</b> Expect, CVS + Subversion</li> <li>• <b>Monitoring Tools:</b> Nagios, OpenNMS, MRTG, RRD Tools</li> <li>• <b>Security Tools:</b> TCPdump, NMAP, Ethereal, snoop, Metasploit</li> <li>• <b>Backup Tools:</b> Rsync, R-Studio Recovery</li> </ul>
< 5 years	<ul style="list-style-type: none"> <li>• <b>Programming:</b> PHP, Python, C/C++</li> <li>• <b>Documentation:</b> Mediawiki, Atlassian Confluence, DocBook, Wordpress, Joomla</li> <li>• <b>Graphical:</b> Adobe Photoshop, Adobe Illustrator, Adobe Dreamweaver, Final Cut Studio, Motion, Gimp, Aperture</li> <li>• <b>Terminal Server:</b> Sun Ray Server + Clients</li> <li>• <b>Cluster Software:</b> Heartbeat (Linux HA)</li> </ul>

## Interests

I have quite a lot of hobbies and interests, ranging from snowboard to skateboard, wakeboard, surf, motocross, downhill mountain bike... Balancing your body on either snow, concrete, water or dirt is an excellent training in discipline, persistence, reaction in unfamiliar situations and developing skills. Plus it frees your mind from all the stress of the day-to-day life.

I also like to travel, usually for snowboarding or wakeboarding, but I also love to visit more faraway countries to learn new cultures.

Since my life is pretty active, I also try to take photos as much as I can. Next to photos, I also make small video clips about snowboarding, wakeboarding and downhill. It started out as just a hobby, but it has already taken bigger proportions.

In the weekends, in winter, I am one of the shapers of the LIVINGROOM park, in Mühlbach am Hochkönig. Why? Because I like to!

Besides my great passion for writing scripts, I also have a great interest in security in general. Actually just in the security flaws and how they can be used. This can be security on the network or a server/PC, but also security in general.

## Work experience

### **10/2009 - now Senior Perl Developer (freelance)**

Working for **Verizon Business** (former Ubizen) as a part of the backend development team, for the Online Guardian software. OG is a security management tool, which analyzes information received through various channels.

All development is done in Perl. Tasks vary from writing bug fixes, to implementing new features, researching new soft- and hardware, writing documentation, delivering to the QA team and processing their defects. It is a job where great flexibility is required, especially when it comes to researching new soft- or hardware.

It is a fun job but requires programming at a very high level, due to the complex OO structures present. The overall system was built over 10 years and has been engineered quite thoroughly.

### **2/2007 - 9/2009 System Engineer (freelance)**

In 2007 I started working at **Scarlet NV** as a senior UNIX / Linux administrator, for the ISP Systems department. Since our team consists of only 5 guys, we have quite a lot of work to do.

System administration for Slackware and Debian Linux, Solaris 8 until 10 (10 for both SPARC and Intel) and the services running on those hosts.

This is included writing many scripts to improve stability in general, by automation of the daily processes.

Mediawiki was set up to document the installations, configurations, the network and to keep track of our own projects.  
Development of some custom Nagios plugins, to monitor the Skype platform, which was deployed by Italtel (Italian ISP).  
Deployment of OpenNMS to have a better monitoring and management of the network and its nodes.  
Testing of MySQL cluster software for storing the ever growing authentication and accounting information of the Radius platform.  
Two courses were develop and organised, Linux Basics and Perl Beginners.

I was considered as a Perl guru within this company, so most script development was appointed to me. Ranging from updating Cisco equipment, statistical graph scripts, monitoring scripts, automation of processes, provisioning scripts, ... I have a great passion for writing scripts and solving problem through scripts.

#### **4/2004 - 12/2006 Open Source Consultant (freelance)**

Hired by **Belgacom** to give an overhaul to some existing provisioning scripts and to develop some new automated processes, through Perl scripts.

Most of these scripts were meant to monitor and provision eHealth, but soon I was writing scripts for all sorts of processes that could be automated, ranging from: generating charts (MRTG graphs), database scripts for monitoring Oracle, SNMP scripts to check routers, firewalls and other network devices, and helping out colleagues who also were writing scripts.

Creation of a 'gateway page' in Perl: a web page for business customers which contained and stored their reports regarding their network (generated by eHealth).

Development of proxy server in Perl which could do automatic authentication to internal websites, based on a field set in the HTTP header. Documentation about this project can be given, if interested.

I also had to develop a Perl course, internally for Belgacom, which was organized two times.

#### **11/2002 - 2/2004 Open Source Consultant (freelance)**

In 2002 I continued the network monitoring project at the **Flemish Government**, written in Python. The project consisted out of two parts: a network scanning tool and a web interface. The interface had to ability to enter asset information, store pictures, browse the network per building, network node management, extra information via SNMP, user management, ... Sadly enough, since the budgets were cut, we were not allowed to finish this project.

The project documentation was done in DocBook, a SGML alike language. I also had to convert to some Microsoft Access 'applications' into web based applications with user authentication, authorization, reporting, exports to PDF and CSV. For these applications, I also had to set up a MySQL cluster (two nodes),

which hosted all the data, and a Apache web server since each application was a separate virtual host.

A second project, a couple of years later, consisted in writing a web MVC framework in Perl, in order to rewrite existing Microsoft Access database projects. Data was saved in a MySQL database cluster, to ensure failover and to perform load balancing.

Besides exporting to PDF and CSV, several other features such as user hierarchy, were implemented.

Documentation of these projects and some screenshots are available.

### **Linux Consultant 9/1999 – 10/2002**

My career started at **Life BVBA**, a Linux company in Leuven (Belgium), which eventually was bought by an American company, called V.A. Linux Systems.

Since it was a very young company, I was the first employee and I had several jobs. At first I taught Linux courses at IBM Learning Services (Belgium), as a consultant.

Next I was the project leader and one of the developers of a PHP development project for Gasthuisberg Leuven (accountant software for a research lab). More information can still be found on <http://www.life.be/dea.php>

Occasionally there were other projects as a Linux consultant such as: Apache web server tuning, deployment of DNS and proxy servers (Bind and Squid), deployment of OpenLDAP and the set-up of redundant running services in fail-over using Heartbeat.

I had the pleasure of going to America, to help writing on "Rollout of Linux on a large number of xSeries servers", an internal IBM course, in Rochester Minnesota. Before the company went bankrupt, I was outsourced to the Flemish Government to develop a network monitoring tool, in Python and C.