

# CURRICULUM VITAE

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<b>Name</b>	<b>Jorge Schrauwen</b>
<b>Education</b>	<b>Applied Computer Science</b> (Bachelor – University College KHK Gheel) graduated <i>magna cum laude</i> in June 2010 <b>Office and data management</b> (school community Moretus in Ekeren - graduated in June 2007)
<b>Experience</b>	<b>June 2021 – Present:</b> Ghent University, Gent System Engineer <b>April 2015 – June 2021:</b> Axxes, Antwerp System Engineer <b>January 2013 – April 2015:</b> Google, Belgium Operations Engineer <b>September 2010 – December 2012:</b> RealDolmen, Huizingen System Engineer <b>July 2007 – June 2010:</b> Gloriant Retail, Berchem (Antwerp) <i>7 July - 6 August 2007</i> – summer job: developing “www.methodschooll.be” - a site for registering for training sessions, built in PHP with MySQL. <i>28 July - 26 August 2008</i> – summer job: developing an internal website to manage holidays and vacation requests for the company (using PHP and Prado) <i>August 2009</i> – summer job: enhancements for several PHP-projects, database-programming in C#, designing newsletters and banners <i>March 2010 - June 2010</i> – internship: open standard monitoring system <b>September 2009 – June 2010:</b> Student Information Network President: running the student governed IT service on campus <b>1 July – 31 July 2006:</b> Internet Architects bvba, Antwerp Vacation job: research and development, particularly AJAX.
<b>Languages</b>	Dutch (native), English (fluent)

## *Additional Personal Details*

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<b>Location</b>	Wetteren, Belgium
<b>Mobile</b>	+32 (0) 474 401 261
<b>Driving license</b>	B
<b>E-mail</b>	jorge@blackdot.be
<b>Blog</b>	<a href="https://blackdot.be">https://blackdot.be</a>
<b>LinkedIn profile</b>	<a href="http://www.linkedin.com/in/schrauwenj">http://www.linkedin.com/in/schrauwenj</a>
<b>Award</b>	<b>Oracle Apex Challenge:</b> 2 <sup>nd</sup> on KHK Oracle Apex Challenge (February 2010)
<b>Hobbies</b>	Digital photography, Travelling, Tinkering with Illumos and OpenBSD, Testing open source software, ...
<b>Open Source</b>	<b>2013 – Present:</b> Active in illumos community, booth at FOSDEM, lx branded zone testing on SmartOS. Maintaining illumos support and packages for SaltStack. <b>2007 – 2010:</b> Active in #httpd and #apache-helpdesk channels on FreeNode

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## Skills

Troubleshooting and debugging  
General knowledge of TCP/IP networks  
Quick learner (IT related subjects – mostly by doing / trial and error)  
Experience with large scale networks and server fleets  
Troubleshooting HTTP reverse proxy/SSL issues  
Scripting in python/shell with the goal of automating tasks and workflow

## Knowledge

### Expert

Apache HTTPD Server

### Advanced

Linux (RHEL/CentOS/Fedora/Debian/Ubuntu)  
Solaris (Illumos based: SmartOS and OmniOS)  
TCP/IP networks (IPv4 and IPv6)  
Samba 4.x

### Intermediate

OpenBSD 5.4+  
Mac OS 10.6-10.11  
ISC Bind, ISC NSD, dnsmasq, MySQL, Nagios, OpenSSHd, OpenVPN, ZFS  
Postfix, Dovecot, ClamAV  
Programming in Python, and Shell (ZSH/Bash)  
PF (OpenBSD Firewall)  
HTTP Protocol  
SSL Certificates and communication  
IBM Spectrum Scale/GPFS  
DNS Protocol

### Basic

SMTP Protocol  
RADIUS Protocol  
VMWare vSphere v4 – v5  
Windows Server 2003-2008 R2  
OPNsense and pfSense firewalls  
PostgreSQL, SQLite, Solaris Zones, ssh, qemu-kvm  
Zimbra Open Source Edition (8.0.x)  
Programming in Perl, PHP, Java, and C#  
Microsoft NPS

## Certificates

LPIC-1 Certification, **Expired 10/04/2017** (LPI000252442)  
Cisco CCNA, **Expired 12/2013** (CSCO11860995)  
70-647: Windows Server 2008, Enterprise Administrator  
70-646: Windows Server 2008 Server Administrator  
70-642: Windows Server 2008 Network Infrastructure, Configuring  
70-640: Windows Server 2008 Active Directory  
70-643: Windows Server 2008 Applications Infrastructure, Configuring  
70-680: Windows 7, Configuring

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## Projects / Experience

*Date* 2015 – Present  
*Organization* Axxes  
*Position* System Engineer  
*Description* Detached at UGent's Systems unit where I am part of a team that keeps all \*NIX systems running, primarily focusing on:  
**File shares** using Isilon and Samba 4 with AD integration/DFS  
**RADIUS deployment** with Microsoft NPS for eduroam and VPN.  
**Distributed file sync** build using bash, rsync, and a shared FS for communication.  
**Ransomware detector** using Python to detect and cleanup infections.  
**Mail server** using postfix and Fortimail for spam filtering.

*Date* 2013 – 2015  
*Organization* Google  
*Position* Operations Engineer  
*Description* **CCNR Lead**, as the lead engineer assigned to maintaining our networking rooms I manage ongoing projects, educating colleagues on the work methods and security. Most other things involving our networking rooms are also my responsibility.  
**Network deployment**, helping out the long haul deployment team with physical work of building and upgrading equipment and running fibers.  
**Hardware repair**, diagnose and fix broken servers and switches. Ranging from replacing failing and faulty hardware components to diagnosing complex problems with the operating system's interaction with the hardware.

*Date* 2010 – 2012  
*Organization* RealDolmen  
*Position* System Engineer (2<sup>nd</sup> and 3<sup>rd</sup> line support)  
*Description* **Linux, unix and networking**, solving anything that came my way.  
**Scripting and automation**, scripting and automating reoccurring tasks.  
**Nagios**, maintenance and writing checks for the monitoring system.  
**ZoomIT**, "the go to man" for troubleshooting issues with the HTTP, reverse proxies, SSL.  
**Mobistar E-Shop**, maintaining and troubleshooting entire stack excluding web application.  
**FedICT**, troubleshooting, redesigning and implementing the reverse proxy/SSL termination layer in front of a pool of IBM WebSphere servers.

*Date* 2004 – 2011  
*Organization* Blackdot.be  
*Position* Founder / System Administrator / Network Administrator  
*Description* **Web and e-mail hosting**, provided basic web and e-mail hosting for customers whose websites I designed and maintained.  
**Web design**, designed web sites and web applications.  
**Apache Hosting Package**, my own set packages that evolved from Apache 1.3 to HTTPd 2.4 getting more features over the years. Including things like mod\_macro and mod\_perl for dynamic configurations, advance security setups including 2-factor authentication using SSL Client certificates and PAM.

*Date* March 2010 – June 2010, Summer 2009, 2008, 2007 and 2006  
*Organization* Gloriant / KHK Geel  
*Position* Internship / Summer Job  
*Description* **Thesis**: Design and development of a monitoring system for Gloriant (implementation with C#, PHP and Microsoft SQL Server)  
**Summer jobs**: During my summer job at Gloriant I did various tasks ranging from web design and (web) application development to creating newsletter templates.