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Personalia

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Birthday: 16Th June 1983
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Education

10/2002-06/2008: **Student Engineer Computer Science**
Catholic University of Leuven
09/1995-06/2002: **Mathematics & Science (8h mat.)**
Sint-Jozefscollege, Turnhout

Professional Experience

Dec 2009 - Now: Oryx Consulting

- **Server administrator**

Oryx Consulting uses several virtual servers running CentOS which needs maintenance and the implementation of new features concerning the automation of backups and Open Source software deployments for customers.

- **Environment:**

- Languages: PHP, SQL, Bash, Perl, ...
- Software: Apache, MySQL, PostgreSQL, Bind, PHP, Project Open, SugarCRM, OpenBravo, ...
- OS: Linux, CentOS

Nov 2009 - Now: Kunstmaan/Smartlounge

- **Network & System administrator**

Kunstmaan has an internal network which has been setup when they were with half the amount of people they are now. This network has no real documentation and my task is to perform an audit of the network, document it and plan and implement the necessary changes for the future (migrating to larger IP range, updating servers, more secure setup for WiFi and VPN, ...).

- **Environment:**

- Software: Apache, MySQL, OpenVPN, Vtun, Microsoft Exchange, Microsoft Active Directory, Microsoft DNS server, Microsoft DHCP server, ...
- OS: Linux, Mac OS X, Microsoft Windows, Microsoft Windows Server 2003/2008, Juniper Netscreen

Nov 2007 - Nov 2009: inGen

- **Functional & Technical analyst**

Doing functional and technical analyses on software projects, mostly PHP projects. These projects involved a wide variety of technologies including frameworks like Cake, CMS's like Drupal and Wordpress, integration with different social networks like Facebook, Myspace, Last.FM and Twitter and much more. It also included checking code quality and structure and helping out the development department with own developed solutions.

- **Project manager**

Managing multiple web application and software development projects with up to 8 developers in several programming languages and using different environments. These developers are located in Pakistan, so correct and good communication is an important factor.

- **System administrator**

Responsible for 5 servers running several services including development environments, VoIP and communication solutions and backup solutions. Maintaining a network of 40 developer PCs running Ubuntu and several windows test PCs.

- Environment:

- Languages: Java, Ruby, PHP, Perl, Python, Bash, XHTML, CSS, Javascript, ...
- Software: Apache, MySQL, PostgreSQL, Asterisk, OpenVPN, Subversion, Drupal, Joomla, Wordpress, OSCcommerce, Magento, ...
- Linux, OpenBSD, FreeBSD, Windows

Jan 2009: NKO Beveren

- **Website development**

Development, design and maintenance of the website using own developed Object Orientated CMS which is developed in PHP using Smarty, PEAR libraries and MySQL.

- **System administrator**

Setup and maintenance of a network setup involving a Linux server, serving as an OpenVPN server, backup server, gateway and firewall and a Windows server which serves as a database containing critical data.

- Environment:

- Languages: PHP, XHTML, CSS, Javascript
- Software: Apache, MySQL, MSSQL, Bind, Squid, OpenVPN, Subversion, ...
- Linux, Windows

Dec 2007: Smartlounge

Development of websites and web applications in a J2EE environment adding functionality to the existing SmartCMS, a CMS developed and used by Smartlounge to create and control websites.

Environment:

- Java, J2EE, SQL, CSS, XHTML
- Linux, Eclipse, Tomcat, PostgreSQL

Nov 2007: HP/Fortis Investments

Design, development and adaptation of Perl scripts used to monitor critical services on Solaris servers and Windows servers of Fortis Investments in combination with HP OpenView.

Environment:

- Perl, Korn Shell, Batch
- Sun Solaris Windows, OpenView

Feb 2006 - Oct 2007: LOKO

Website development

Design, develop and maintain the new website using own developed Object Orientated CMS which uses PHP, MySQL, Smarty and PEAR libraries and is integrated with LDAP. Development continues on a freelance basis via Student IT vzw (see Extracurricular Activities).

System Administrator

Install and maintenance of 2 servers and setting up a network with 8 workstations. Developing a complete setup with LDAP, VPN, SVN, security and automated maintenance.

Environment:

- PHP, Smarty, PEAR, Javascript, CSS, XHTML, Bash, Perl
- Linux, MySQL, LDAP, Bind, Subversion, DHCP, Shorewall, ...

Sep 2004: Skynet (Belgacom)

Development of the Arena51.be website in PHP using Smarty, MySQL. This website is a follow up of the spelletjesgarnaal.be website and is aimed at young people seeking entertainment in games.

Environment:

- PHP, Smarty, PEAR, Javascript, CSS, XHTML

Extracurricular Activities

Student IT vzw

Student IT vzw is a non-profit organisation which provides student organisations with a professional approach to ICT solutions for local system administration, website or web application development and software development while maintaining a low cost profile.

Founder & President: February 2009 - Now

Functional & Technical analyst, Developer

Involved in the development of several PHP projects for clients, both as an analyst and a developer. These projects incorporate security features like LDAP and Shibboleth and are developed either in my own PHP5 Object Orientated CMS or using Cake as a framework.

Construct

CMS developed in PHP5 which is completely Object Orientated and uses Smarty as a templating engine. It uses PEAR libraries for a Database Abstraction Layer, which makes it work on several databases. It also uses other PEAR libraries to integrate LDAP and PDF creation and manipulation. This CMS is being used in multiple websites.

ULYSSIS

ULYSSIS provides students and student organisations with cheap hosting services.

Vice-President: 2006-2009

Member: 2004-2009

24-urenloop (24-hourrun):

- 2006-2009: Network and multimedia tent (Responsible)
- 2004-2005: Network and multimedia tent (Teammember)

Studentenmarathon:

2007-2009: Website, Network, Time keeping software

Lanworks

Lanworks organises LAN-parties with a maximum of 150 participants.

Webmaster: 2003-2008

Network Administrator: 2003-2009

Skills

Programming Languages

PHP5, Perl, Java, Python, C++, JSP, SQL, Bourne shell, Bash, XHTML, XML, XSL, HTML, CSS, Javascript, L^AT_EX, ...

System Administration

OS: Linux (Gentoo, Ubuntu, Debian, ...), FreeBSD, OpenBSD, Microsoft Server

Network: TCP/IP, Firewall, Topology, Routing, ...

Software: Apache, MySQL, PostgreSQL, Bind, LDAP, Postfix, qmail, IRCd, Shorewall, Microsoft services...

Languages

Dutch: Mother tongue

English:

Conversation: Fluent

Writing: Good

French:

Understanding: Good

Conversation: Average

Writing: Average

References

Bart Van Loon

Managing Partner inGen, bart@inGen.be

Jeroen van den Bosch

Responsible Arena51.be at Skynet, 2004-2006

Klaas Keirse

President LOKO, 2007-2008