

Curriculum Vitae

Philip Van Hoof

Consultant – software developer

<http://codeminded.be>

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Personalia

Nationality	Belgian
Gender	Male
Year of Birth	1981

Languages

	Very Good	Good	Notions
Dutch	Mother Tongue		
English	+		
French			+

Education

Year 2002	Informatics
Year 2003	Horito - Turnhout
Year 2000	Informatics KTA-De Merodelei - Turnhout
Year 2007	Company management FOD Economie, K.M.O, Middenstand en Energie

Additional Courses

Course	Where	When
French	Cronos NV	November 2003
Company management	Institute for company management and training VZW	June 2007

Knowledge summary

Specialisations	C, C++, libc, POSIX, VC++, D, Vala Linux Kernel Development GLib / GObject, GNOME Motorola 68332 assembler C#, VB.NET and .NET Python, PHP, Perl Design patterns, Scrum, DBC, unit testing
Development environments	Microsoft .Net Framework, .Net Compact Framework 1.0 & 2.0, Visual Studio 2003 / 2005 Autotools & Automake, GNU Compiler Collection
Databases	SQLite, MS-Access, SQL Server 2000/2005/Mobile/2005 Express, Oracle 9i/10g, PostgreSQL, MySQL, DB2, Pervasive SQL
Operating systems	Windows 95 to Vista, Windows 2000 server, Windows 2003 server, Small Business Server, Windows CE 4.20/ 5.0, Windows Mobile 2002/2003/2003 SE/2005 Linux Fedora, RedHat Enterprise, CentOS, Suse, Ubuntu, Sun Solaris, FreeBSD

Business knowledge

2005	Startup of a one-person company
2006	Cooperation with Codethink Ltd.
2007	Degree company management
2007	Startup of Codeminded BVBA
2008 - ongoing	Sales cooperation with Codethink Ltd.

Nokia #4	
Period	May 2008 - 2010 (ongoing)
Project	Tracker. Development of a mobile metadata search engine for tablet PCs. Implementation of SPARQL and Nepomuk, semantic desktop
Function	Software development
Tasks	Analysis, implementation, testing, documentation, Scrum
OS	Maemo4 (Diablo, Nokia N810), Maemo5 (Fremantle, Nokia N900), Maemo6 (Harmattan)
Technologies	Vala, C, GLib & GObject DBus, GLib-DBus Autotools & automake Maemo5 (Fremantle), Maemo6 (Harmattan) SQLite, SPARQL, Nepomuk

Clock-O-Matic for TASS	
Period	May 2008
Project	Training developers to implement a Gtk+ application on open-embedded using GMAE components
Function	Trainer, software development, analysis
Tasks	Training, development
OS	Openembedded on ARM hardware, GNOME Mobile (x11-image)
Technologies	C, Vala, GLib & GObject, Gtk+ DBus, GLib-DBus Autotools & automake Anjuta, openembedded

Nokia #3	
Period	January 2008 - April 2008
Project	Development of a mail user agent for mobile & embedded devices, called Modest, that uses a framework that I maintain and authored called Tinymail Project websites: http://tinymail.org , http://modest.garage.maemo.org
Function	Software development, analysis, Tinymail improvements
Tasks	Analysis, implementation, unit tests, documentation
OS	Maemo4 (Diablo, Nokia 770, N800 and N810)
Technologies	C, Glib & GObject, Gtk+, check Camel & Evolution Data Server Autotools & automake Network Manager, GNOME Maemo4, GMAE
References	Dirk-Jan Binnema < dirk.jan-binnema@nokia.com > Sergio Villar Senin < svillar@igalia.com >

Alstom	
Period	November 2007 - February 2008
Project	MP82. Development of an embedded system to drive power electronics of trams for Mexico city. Software and hardware design and implementation of a chopper
Tasks	Implementation, design, testing, documentation
OS	Home brewed operating system
Technologies	Motorola assembler, C, Motorola 68332 microcontroller

Nokia #2	
Period	January 2007 - December 2007
Project	Development of a mail user agent for mobile & embedded devices, called Modest, that uses a framework that I maintain and authored called Tinymail Project websites: http://tinymail.org , http://modest.garage.maemo.org
Function	Software development, analysis, Tinymail improvements
Tasks	Analysis, implementation, unit tests, documentation
OS	Maemo (Nokia 770, N800, N810), various Linux distributions, GNOME desktop, GMAE
Technologies	C, Glib & GObject, Gtk+, check Camel & Evolution Data Server Autotools & automake Network Manager, GNOME Maemo4, GMAE
References	Dirk-Jan Binnema < dirk.jan-binnema@nokia.com > Sergio Villar Senin < svillar@igalia.com >

Alcatel-Lucent #3	
Period	April 2007 - May 2007
Project	Development of a GNOME user interface
Function	Software development
Tasks	Analysis, implementation, testing
OS	Solaris 9 SPARC
Technologies	C, autotools & automake, libglade 2.0, GNOME & Gtk+ 2.0

Alcatel-Lucent #2	
Period	February 2007 - March 2007
Project	Development of phoneboot software
Function	Software development
Tasks	Porting of the previous project from Solaris 2.6 to Solaris 9 and the GNU compiler collection & tools
OS	Solaris 2.6 SPARC, Solaris 9 SPARC
Technologies	C, Sun Workshop, Solstice, GNU tools, autotools & automake

Alcatel-Lucent #1	
Period	October 2006 - January 2007
Project	Development of phoneboot software
Function	Software developer
Tasks	Development of an extension to the existing Belgian phoneboot capabilities. This extension makes it possible to load credits on a so-called 'energy card' using one of the phoneboot's subsystems
OS	Solaris 2.6 x86 & SPARC
Technologies	C, Sun Workshop, Solstice, autotools & automake.

Newtec Cy #2	
Period	August 2006 - September 2006
Project	Development of satellite communication software for Newtec's SAT3PLAY implementation (the typical application is TCP/IP over satellite).
Function	Software development
Tasks	Development of a packet reassembly kernel module using the kernel router framework Click. The software reorders and reassembles ATM cells and outputs IP on the TCP/IP stack of the Linux kernel Autotools & automake'd the project Development of a unit test & n-to-n test framework for the same software
OS	Linux 2.6 kernel, CentOS
Technologies	Mostly C and C++ for Click's specifics Linux 2.6 kernel & development of, Click

Nokia #1	
Period	January 2006 - December 2006 (parttime)
Project	Development of a E-mail framework for mobile devices & embedded appliances, called Tinymail, that was later used for their E-mail client, called Modest, for the Nokia 770, N800 and N810 Project website: http://tinymail.org
Function	Software development, analysis, project lead for Tinymail
Tasks	Analysis, implementation, unit testing, documentation, language bindings, autotools build environment, Camel improvements (mmap summaries)
OS	Maemo4 (Diablo, Nokia 770, N800 & N810)
Technologies	C, GLib & GObject, check Python & PyGtk's language binding generator .NET & gtk-sharp's language binding generator Camel & Evolution Data Server Autotools & automake Gtk+, Network Manager, GNOME Maemo4 (Diablo)
References	Dirk-Jan Binnema < dirk.jan-binnema@nokia.com >

Newtec Cy #1	
Period	January 2006 - August 2006
Project	Development of satellite communication software for Newtec's SATMODE system - the typical application is interactive television over satellite
Function	Software development & analysis
Tasks	Development of packet reassembly software in user mode: Reassembly of data encapsulated in a UDP packet, outputting it on a TUN device (Linux specific), Development of packet signalling software, failover software, Implementation of a System-Imager setup, Autotools & automake'd the project, Linux kernel development with TUN devices
OS	Linux 2.4 kernel and 2.6 kernel Suse and CentOS
Technologies	C, mostly C++, autotools & automake Linux 2.4 and 2.6 kernel

Promatic	
Period	October 2005 - December 2005
Project	Development of WinForms .NET applications
Function	Software development
OS	Windows XP, Windows 2003 server
Technologies	C#, VB.NET, System.Windows.Forms, MVC
Databases	Microsoft SQL Server

Maia Scientific	
Period	July 2004 - August 2005
Project	Scientific embedded microscope project
Function	Software development
Tasks	<p>Development of a control panel (a user interface) in GNOME, Development of a Video For Linux driver for the Linux 2.6 and 2.4 kernel, Autotools & automake'd the projects, Development, design & analysis of an autofocus algorithm for the Zeis Axiovert 220M microscope, Development with and for a frame grabber device, Development on software for steering of the machinery</p>
OS	RedHat 8, Fedora Core 3
Technologies	<p>C, Glib-2, CORBA (Orbit-2) Gtk+-2.4, GNOME-2, Glade-2 libXML-2.0, x86 assembler Linux Kernel Module development 2.4 & 2.6 SCIL-IMAGE 2.0</p>
References	<p>Peter Van Osta <pvosta@cs.com> Bart Van Herck</p>

Lannoo	
Period	April 2004 - June 2004
Project	PocketLannoo - Lannoo2004
Function	Developer
Tasks	Development of a C# Compact Framework .NET winforms application
OS	Windows CE
Technologies	C#, Compact Framework .NET
Databases	Microsoft SQL Server CE; Microsoft SQL Server + replication

Acea #2	
Period	March 2004 - May 2004
Project	Acea.be - aceaweb
Function	Developer
Tasks	Development of a web application
OS	RedHat 9
Technologies	PHP, Apache2
Databases	Apache2, MySQL

Intas	
Period	March 2004 - June 2004
Function	Developer
Tasks	Development of a Intranet web application
OS	Windows 2000 Server
Technologies	ASP.Net
Databases	SQL Server

Acea #1	
Period	January 2004
Project	Acea EzPublish
Function	Developer
Tasks	Adjustments to an Open Source web application
OS	RedHat 9
Technologies	PHP, Apache2, EzPublish
Databases	MySQL

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Period	December 2003
Project	Vakantieboodschap
Function	Developer
Tasks	Development of a web application
OS	Sun Cobalt Linux
Technologies	PHP, Apache
Databases	MySQL

Interbrew

Period	September 2003 - October 2003
Function	Developer
Tasks	Development of an inquiry website
OS	Windows 2000 Server
Technologies	C#, ASP.Net
Databases	SQL Server

Boehringer Ingelheim

Period	September 2003 - April 2004
Project	Pocket CRM
Function	Developer
Tasks	Development of a C# Compact Framework winforms application Development of ASP.Net C# webservices
OS	Windows 2003 Server, Windows CE
Technologies	C#, Compact Framework .NET ASP.net, Webservices
Databases	XML, SQL Server

KBC Securities

Period	July 2003 - August 2003
Function	Developer
Tasks	Development of a intranet application
OS	Sun OS, Solaris
Technologies	CGI/BIN, Perl
Databases	XML, CSV files

Van Roey Automation	
Period	December 2000 - April 2003
Function	Developer
Tasks	Development of an eCommerce website in PHP, Development of a PHP library in order to build aforementioned website, the intranet website of Van Roey, Development of other customer's websites, an on-line order program, MAC OS X support, Development of a CRM/ERP application
OS	Mac OS X Windows NT Linux
Technologies	PHP, PhpBaseClasses IM-XML, IntegrateX VB.Net - C# - ASP.NET MS Visual C++ Apache, Bind, Postfix
Databases	ODBC, Sybase, Free TDS, DbTCP, MySql, Pervasive SQL

Godiva	
Period	June 2003 - July 2003
Function	Developer
Tasks	Development of an administrative web interface
OS	Windows 2003 Server
Technologies	C#, ASP.Net
Databases	SQL Server

Glasshouse	
Period	October 2000 - December 2000
Function	Developer
Tasks	Development of Perl applications Sockets and TCP/IP programming Installation, maintenance and security of Debian/Linux servers
References	Leander Berwers

Deltapro	
Period	Before 2000, one month
Project	Interimship
Function	Student trainee
Tasks	Development of an client/server database with MySQL, Delphi, Kylix
Technologies	Delphi 5.0, Kylix
Databases	MySQL, Interbase