

# Curriculum Vitae

A business engineer and web- and open source developer who is passionate about programming, the internet, web standards, free/open-source software in general and Linux in particular.

## Personal details

Full name: Sander Marechal  
Date of birth: 21 October 1979  
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## Work experience

### [Tribal Internet Marketing](#)

Application Developer / Business Analyst in 's-Hertogenbosch, The Netherlands from April 2007 – Present

I worked on a number of internal projects. One of them was a fully automated report generating system based on ODF and PDF (OpenOffice.org server) and XSLT with the data coming from various external XML-RPC, SOAP and IMAP sources. The [odf-xslt](#) project was one of the results. Besides that I worked on implementing and customising [Sugar CRM](#), performed Linux system administration on web servers and subversion servers, and worked on a number of smaller Linux-based projects.

### [DHL/Exel Supply Chain](#)

Application Analyst in Nieuwegein, The Netherlands from Januari 2005 – March 2007

I administered and analysed a variety of warehouse management systems plus their eco system of derived intranet applications, databases, tools, EDI flows and reporting engines for multiple DHL sites. The applications were built using a variety of languages and techniques but VBA/ActiveX coupled with MS-SQL were the most common one's.

I also designed, built and implemented Elsi, a PHP/MySQL application for tracking support requests. It's based loosely on the [phpBB 3](#) core and the look-and-feel of [Bugzilla](#), but aimed at support tracking. It currently serves 6 sites totalling a couple of hundred users and several thousand registered calls. Stress-testing showed it can handle well over 200.000 calls with complex queries and reporting.

### [Vermeer Logistics B.V.](#)

Logistics Trainee in 's-Hertogenbosch, The Netherlands from September 2003 – December 2004

I performed a variety of logistics related research and helped out with IT support. I also developed a web application to track the flow of goods, measure a variety of performance indicators and provide custom reporting for both Vermeer as the [Heineken](#) brewery about our performance levels. This tool was bought by DHL/Exel and is still in use today.

Aside from the above jobs I have worked during my education in a variety of part-time functions such as mailman, driver and cashier from 1994 to September 2002.

## Other related activities

### Stichting Lone Wolves

Programmer in 's-Hertogenbosch, The Netherlands from November 2003 – Present

Stichting Lone Wolves is a small two-person foundation I co-founded that develops standards-based websites for small to medium businesses. We use the money we earn to fund our free/open-source hobby projects. Some of the projects we have done:

#### Gnome hearts

A hearts card game I developed because [Gnome](#) did not have one yet and [KDE](#) only has an [implementation](#) that is no longer actively developed. It is written in C and Python.

#### Jukebox server

A Jukebox server written in Python using [GStreamer](#) and [Twisted](#) at the back-end. It can manage multiple music libraries and output targets at the same time. The server can be controlled using [XMPP](#) streams.

#### Webkit

A set of loosely coupled PHP 5 modules that we use to quickly build fully customised [PHP-driven websites](#) for clients. Websites such as [BSH Bouw](#) with it's custom CMS-like back-end, [StockWise](#) with it's space calculator and store, and [HeliOS Solutions](#). It contains modules for user authentication, database abstraction, photo gallery management and a SpamAssassin compatible spamfilter.

### LXer Linux News

Editor in 's-Hertogenbosch, The Netherlands from July 2007 – Present

LXer Linux News is one of the biggest Linux and Free/Open Source news websites on the internet. Since July 2007 I edit story submissions, write original articles and report on FOSS conferences for LXer.

## Technical skills

- Programming languages
  - Expert: PHP, (X)HTML, CSS, SQL
  - Good: Python, JavaScript, C, Bash, Lua, XSL
  - Basic: C++, VBA, vimscript
- Standards and API's: HTTP, Mime, SOAP/WSDL, XML-RPC, ODF, XSL/XSLT, XML-Schema, XMPP (XML Streams), Microformats, AJAX, GTK, Gstreamer, RSS/Atom, IMAP, DNS, Debian packaging, OpenGL, LDAP
- Operating systems: GNU/Linux, BSD, Windows (2K/XP), OpenVMS (basic)
- Applications: Apache, MySQL, Subversion, SugarCRM, Bugzilla, Vim, (Open)Office, Wireshark, Snort, GNU Toolchain, Glade, GIMP, Inkscape, Blender 3D editor, IceCast, NFS server, PhpDocumentor, Océ Print Solutions, Powerforce Unison, PHP-Nuke, phpBB, MediaWiki, APT/dpkg

# Education

## Fontys Hogescholen Eindhoven

October 2000 – September 2003. Graduated as Bachelor of Business Engineering. During this time I completed the following projects:

### *Vermeer Logistics*

Analysis of the logistics flow. This resulted in a statistical model that could be used to predict bottlenecks and recommendations on a long term company strategy.

### Grasso

Documenting work processes and restructuring an assembly line.

## Technische Universiteit Eindhoven

September 1998 – October 2000. After two years of the course for Master of Business Engineering I switched to the Bachelor course due to a lack of higher calculus skills.

## Frederik Hendrik College 's-Hertogenbosch

September 1992 – May 1998 . Graduated Atheneum with the courses Dutch, English, German, Math, Advanced math, Economy, Business economy and Physics.