

## Curriculum Vitae

### Personal Details

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### Education

1982 - 1985 Sint Willibrord Gymnasium, Deurne.  
1985 - 1988 Rijksscholengemeenschap Jan van Brabant (Atheneum), Helmond; graduated June 1988.  
1988 - 1996 Technical University Eindhoven, mathematics; graduated August 1996, master's thesis on functional analysis.  
1996 - 1997 Technical University Eindhoven, Centrum Universitaire Lerarenopleiding, course for high school Math teachers.

Attended courses on the C, C++ and Python programming languages, and on the sendmail and DNS internet services; visited conferences on the UNIX operating system.

Driver's license

### Work

Nov 1997 - Jan 1998 Developing math tests for fresh Eindhoven University math students, on a free lance basis for the RIACA research institute.

Feb 1998 - Oct 2000 Working as an SMTP email Engineer for Origin (now Atos Origin). Maintenance on global SMTP email networks. Development and maintenance of an automated reporting system. Developing software tools and interactive webpages for the SMTP team.

May 2000 - Feb 2003 Working as a senior software developer for the LogReport foundation. Developing software and managing an international team of developers. Involved in both programming and architectural design. Leading the development of Lire, an Open Source suite of Perl and shell scripts for log file analysis and reporting. Presenting the project at various conferences, by giving lectures and publishing articles in proceedings. Stimulating involvement of the Open Source community in the LogReport project, e.g. by being visible on mailing lists. System management of the LogReport server.

Furthermore: Recruitment for the developers team. Representing the developers team for the foundations' board, giving account to the board for the developments within the team and the project. (<http://www.LogReport.org/>)

- Nov 2002 - current Working as a Unix system administrator for the Tilburg University (UvT). With 4 other sysadmins responsible for maintaining about 100 (as of Aug 2009) Debian GNU/Linux and Red Hat Linux systems, delivering the central IT infrastructure for the university. Introduced configuration file management system (SVN with caspar). Migrated infrastructure from Red Hat Linux and Solaris to Debian. Administering mail servers: Postfix, SpamAssassin with Bayesian engine, AMaViS virusfiltering; 40,000 local email addresses, 100,000 emails delivered per day (as of Nov 2007). Administering a few Apache webservers. Introduced Nagios monitoring and alerting system. Administering a Mailman server, running about 250 lists. Administering an Open Source Collaboration server, which hosts <http://non-gnu.uvt.nl/>, <http://www.airt.nl/>, <http://www.tinc-vpn.org/> and offers Mailman and Subversion. Administering a test and production server for 20 in-house PHP webapplications (with Oracle database client): a main part of the UvT IT infrastructure. Planning and performing several major Operating System upgrades of critical UvT servers (central DNS, LDAP and SMTP servers). This was done in place, with only very minimal user impact or downtime, using the heartbeat failover system. Set up an apt-able software distribution archive, so that local modifications to Debian packages can get easily distributed to the UvT Debian servers. Packaging software: for system management, from external parties, as well as in-house developed software. See below. Member of UvT-CERT team (abuse@uvt.nl) (Nov 2002 – Mar 2007). Helped bootstrap the team, set up infrastructure. Recruiting new system administrators.
- Jul 2008 - current Owner of <http://ad1810.com/>, delivering software, design and administration of IT systems as well as consultancy. ad1810 focusses on Software Packaging, Open Source, Debian GNU/Linux, Ubuntu, System Administration, Linux, Unix, Email, DNS network technology, LDAP Directory servers, Loadbalancing and Failover (Linux-HA's Heartbeat), Database servers (PostgreSQL, MySQL), and Web technology (PHP, Apache).

## Packaging

- Packages for Debian Apart from the packages listed at <http://qa.debian.org/developer.php?login=joostvb>, I have maintained zoem (May 2003 – Jan 2008), mcl (Oct 2001 – Nov 2007), autobook (Jul 2002 – Jun 2004), manpages-nl (Jan 2001 – Dec 2002) and blackened (Jul 2000 – May 2002).
- In-house software In Sep 2006, autoconfiscated a Tilburg University project consisting of 2.4 MB of C and C++ source code. The software project started in 1999, some 20 developers have been working on the code during its lifetime. After converting the software's own build system, a 900 k tarball with ".configure" and "Makefile.in" was produced, greatly improving both maintainability and flexibility.
- Mailman patch Wrote a patch for GNU Mailman (Python), making it PGP and S/MIME aware, see <http://non-gnu.uvt.nl/mailman-ssls/>.
- Cocoon for Debian Built a Debian package for Cocoon (Java), see <http://non-gnu.uvt.nl/debian/etch/cocoon/pool/>.
- Nagios NRPE Made an RPM as well as a Solaris package for Nagios NRPE, available from <http://non-gnu.uvt.nl/pub/nrpe/>.
- Postfix for Solaris Built a Postfix Solaris package, available from <http://non-gnu.uvt.nl/pub/postfix/solaris/>.
- Subversion RPM Tweaked the Subversion RPM package, diminishing dependencies, see <http://non-gnu.uvt.nl/pub/subversion/redhat/>.

Installer package	For the non-free software from the Dutch Taxoffice, created an installer Debian package, see <a href="http://mdcc.cx/aangifte-ib/">http://mdcc.cx/aangifte-ib/</a> .
Autoconfiscation	Autoconfiscated various Open Source software packages: mcl and zoem (both available from <a href="http://micans.org/">http://micans.org/</a> ), crm114 (available from <a href="http://mdcc.cx/crm114/">http://mdcc.cx/crm114/</a> ), and soci ( <a href="http://non-gnu.uvt.nl/pub/soci/">http://non-gnu.uvt.nl/pub/soci/</a> ).
Solaris packaging	Created CSBS, an m4-based set of macro's helping to create Solaris source packages, see <a href="http://mdcc.cx/csbs/">http://mdcc.cx/csbs/</a> .

### Software knowledge

Operating Systems	Solid experience in operating UNIX: Debian GNU/Linux (using this OS as my main platform since 1998), Red Hat Linux, OpenBSD, FreeBSD, GNU/Hurd, Sun Solaris, HP-UX, BSD/OS.
Sysadmin	Solid experience in working with LVM2, XFS, soft- and hardware RAID, Nagios, Heartbeat.
Internet Daemons	Thorough knowledge of MTAs like sendmail, qmail and Postfix, nameservers like BIND and djbdns and the Apache webserver; furthermore solid experience in managing mailing lists with ezmlm, SmartList and Mailman as well as experience in installing and managing the Courier SSL tunneled IMAP and POP servers; experience with the PostgreSQL RDBMS. Solid experience in deploying email spamtagging with SpamAssassin and virusscanning using AMaViS.
Development Tools	Solid experience with GNU automake, autoconf and libtool, GNU Make and the CVS, Subversion, GNU Arch and git Version Control systems. Solid experience in building Debian, RPM and Solaris packages.
Languages	Solid experience in programming Perl, Python and in writing Bourne shell scripts; knowledge of writing m4, sed and awk scripts and of PHP and CGI; some experience in programming in C and C++.
Typesetting	Thorough knowledge of SGML, DocBook XML and L <sup>A</sup> T <sub>E</sub> X.

### Volunteer Work

Nov 2000 – current	Active as developer for the Debian project: packager of various softwares for the Debian GNU/Linux distribution (see <a href="http://mdcc.cx/software#sw">http://mdcc.cx/software#sw</a> ), promoting the project on conferences, mentoring prospective Debian Developers.
Nov 2000 – Sep 2003	System administration of a colocated server. Hosting DNS, email domains and websites.
Nov 2001 – current	Founded the Eindhoven Open Source Interest Group, enosig ( <a href="http://enosig.org/">http://enosig.org/</a> ). Actively involved in this group.
Dec 2001 – current	Maintenance of software packages for system management. See <a href="http://mdcc.cx/software#sw">http://mdcc.cx/software#sw</a> .
2002, 2006, 2007	Member of the board of the association Centraal Wonen Strijp.
Feb 2003 – May 2007	Administering the <a href="http://www.logreport.org/">http://www.logreport.org/</a> colocated server.
Sep 2003 – Dec 2004	Member of the board (chairman) of the LogReport foundation.
Oct 2003	Installed and configured the <a href="http://www.vrijschrift.org/">http://www.vrijschrift.org/</a> colocated server, recruited volunteers to take over the work.
Mar 2005 – current	Organising PGP Keysigning Parties at various Open Source events.
May 2005	With a small team, organised Software Freedom Day event at TOSTi Tilburg.
Apr 2006 – current	Delivering technical presentations at various Open Source events (see <a href="http://mdcc.cx/software/#doc">http://mdcc.cx/software/#doc</a> ).

Joost van Baal loves music, food and art, and is a DJ and author of a vegetarian cookbook since 1995. Saving classic computer hardware since 2003. Pugilist since 2007. Yogi since 2009.