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|  | Mark Overmeer, CV

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career1978-1984, KGL in Arnhem, secondary school Final exams in Dutch, English, Mathematics I and II, Physics, Chemistry, Biology. 1984-1990, [Computer Science](http://www.cs.kun.nl/) at the [Radboud University](http://www.ru.nl/) Primarily focused on the technical side of Informatics, with Physics as minor. Master degree project was named "Real-Time Fault Tolerance in Multi-Controller Systems". 1990-1996, System programmer at the National Aerospace Laboratories [NLR](http://www.nlr.nl/) Developer of software to implement network-wide system administration. Besides that, participant in a few larger development projects. 1996-2002, trainer for [AT Computing](http://www.atcomputing.nl/) Teacher and course developer for UNIX, C, Perl, and Internet related subjects at this (in Holland) renowned UNIX training company. 2002-now, self-employed On this moment working as free-lancer under the name [MARKOV Solutions](http://markov.solutions/). My primar field of interest is unusual complex programming problems and internet developments. experienceThe fundaments of my computer related activities were laid at [De Jonge Onderzoekers](http://www.tcja.nl/) (Young Scientists), where I came in touch with their self-made computer in 1978. I learned to program BASIC and assembly, and then designed a few computers myself.During my study [Computing Science](http://www.cs.kun.nl/) (Informatics) at the Radboud University, I was most attracted by the technical subjects. And only when I had taken all the classes they had to offer, my time had come to finish. My Master Thesis, entitled Fault Tolerance in Real-Time Multi-Controller Systems, implemented a system with many computers which continuously check and correct another. An example of such a system can be found in the Space Shuttle. Complex systems fascinate me.After my degree, I came to work for the Dutch National Aerospace Laboratories [NLR](http://www.nlr.nl/). Located below sea-level in a Dutch polder, the NLR is mainly occupied with research and development for the airplanes and satellites. To support this work, it has a very modern computing center. On the moment I started working at the NLR, they just had bought their second UNIX computer. When I left, they had 130 from 20 different brands.My task at the Computing Center was to organize the centralized backup and user registration. Therefore, I wrote enormous amounts of C and shell scripts. Besides, I participated in a few large scale software projects.During my stay at the NLR, the World Wide Web emerged. The NLR was one of the first places where WWW got implemented. As hobby project, I helped with the development of The Dutch Home Page, the tenth website (in order of appearance) in the Netherlands. On this very moment, I still own a stack of websites. Regularly, new sites are added to that list.After six years at the NLR, I wanted to learn more. By joining the renowned UNIX training company [AT Computing](http://www.atcomputing.nl/) I could dedicate my time on UNIX system administration, website development, and Perl and C programming. In total, I gave about ten different courses, of which I had developed three. At AT Computing, I came in touch with Perl. It became my preferred language in the last five years: it is the fastest language to implement all my ideas. Sometimes, I use C or Java to support Perl. On this moment, I maintain five Open Source Perl modules of my own hand. They are available from [CPAN](http://www.cpan.org/), the central Perl software archive. Most of these modules are e-mail related.In short:* experienced administrator for many UNIX brands, but in the last 10 years mainly OpenSUSE, Debian, and Ubuntu Linux;
* experienced programmer (over 30 languages used), recently mostly Perl, C, and Javascript; and
* experienced website developer, both the technical as the user interfacing aspect.

ActivitiesSoftware development (1978-) Too much to list. Some examples:Implementation and maintenance of over sixty (some huge) [perl modules](http://perl.overmeer.net/), mainly focused on XML, email processing, and GIS.Development of a network appliance for security investigations (2013-)Implementation of an intrastructure to upload dozens of GB, by thousands of customers per day, for a German company (2013-2015)Development of the whole clustered infrastructure plus all software for an archive with huge satellite imagery: 75,000 products of 300MB upto 32GB each. Access via a web-interface (2004-2013)Software development for [SIDN](http://www.sidn.nl/), the Dutch internet name-space authority (2005-2010)Apply ESA EOP standard to satellite product meta-data funded by the [NIVR](http://www.nivr.nl/) (2007-2009)Website development (1995-) Many many websites, for example [Checkup](http://checkup.nl/), [Stichting NLnet](http://www.nlnet.nl/), [Vereniging NLUUG](http://www.nluug.nl/), and [Arion Muziek](http://www.arion-muziek.nl/).Teacher Linux/UNIX and Perl (1996-) As continuationg for the previous job, substitute teacher at [AT Computing](http://www.ATComputing.nl/) (2002-2009)Teacher "Linux" and "Perl" at the [School voor ICT](http://www.ict-college.nl/) in Arnhem, part of the school for intermediate vocational eduction [Rijn-IJssel](http://www.rijc.nl/) (2002-2004) Daily UNIX/Linux administration (1988-) Maintenance of my own systems (1990-)Netwerk backbone development and administration of the [Geomatics Business Park](http://www.geomaticspark.com/). (2004-2011)Administration of a small company's network with central Linux system and a few PCs (2004-2011) Advice and design DESIRE2, evaluation of the results of 15 research projects which were sponsored by the European Union (2000)Consulting a web-shop to restructure its activities and software development (2004) A more up-to-date and detailed list can be found at [http://markov.solutions](http://test-solutions/index-en.html).natural languagesDutch and English are in daily need: reading, speaking and writing go with ease. German is on conversational level: reading is not a problem, speaker is ok, but do not ask me to write German.papers and presentationsIn an average year, I visit about 8 conferences, of which three abroad. Next to that, I show up at at least 15 evening meetings. When I visit a conference or meeting, I often give a presentation usually about Internet and Perl.A full overview of my conference appearences is available on the company's website: the list is far too long to include here.other activitiesMy current activities include:* [NLUUG](http://www.nluug.nl/), association for professional users of open systems, open protocols, and UNIX/Linux. Secretary from 2009-2014. Currently all administration.
* [NINJA](http://www.cs.kun.nl/ninja/), the alumni organization for former Computer Science students. Since 2000 mainly as Secretary.
* long-distance walks, and
* volleyball on a non-competition level.

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