

Jeroen Derks, M.Sc., SCJP, ZCE, MCC

My professional experience is mostly in Internet/web development and applications derived from it with special attention towards security.

Since July 2001 I've been working as a freelancer. Currently I am not available temporarily.

Skills / knowledge

Programming languages: BASIC, bourne shell, C, C++, JavaScript, Modula-2, Pascal, PHP, Python, SQL, (Assembly, ASP, Java, Perl)

Protocols: IP, UDP, TCP, FTP, TFTP, HTTP, SOAP, SMTP, POP3, telnet, SSH, SSL

File formats: Atom, CSS, DTD, HTML, RSS, SMIL, WSDL, WML, XHTML, XML, XSL

Databases: LDAP, msql, MS SQL (FreeTDS), MySQL, Oracle (MFC ODBC, OO4O), Percona, Sybase (Rogue Wave DBTools++)

Operating systems: Unix (*BSD, Irix, Linux, Mac OS X, Minix, Solaris), MS-DOS, Windows 2/3.11/9x/ME/NT/2000/XP, (ComOS, IOS)

Hardware: Cisco, Force10, Livingston Portmaster, NetApp, PC, SGI (Indigo, Indy, O2, Challenge S/XL, Origin 200); Sun 3/4/Netra

Other: BS7799, CGI, CVS, DOM, DNS, ExtJS, Gearman, Git, GNU, iDEAL, ISAPI, ISO9001, jQuery, LinkedIn API, Magento, MFC, NSAPI, OO, OpenSSL, Perforce, PGP, PHP-GTK, PHPUnit, Pingdom API, PKI, Prototype, Scrum, Selenium, Subversion (SVN), Symfony2, VB, VC++, VID, VMware, WAP, Win32, XSLT, Zend Framework, ZFS

Experience

- Stackscale**
Alicante, Spain
Jan 2016 - now
Lead Developer
(PHP, Python, MySQL, Percona, ExtJS; Linux, Mac OS X).
- Stackscale**
Amsterdam
Jul 2012 - Dec 2015
Lead Developer
(PHP, Python, MySQL, Percona; Linux, Mac OS X).
- CliQ Digital**
Amsterdam
Jul 2012 - Jun 2013
Lead Developer
(PHP, MySQL, Symfony2, Gearman, PHPUnit, Selenium; Linux, Mac OS X).
- Derks.IT**
Amsterdam
Apr 2011 - now
Currently we are working on the development of a commercial and publicly available Magento extension that provides integration with PHPList and another idea ([Hackmonitor](#)) which will be completely developed as Magento extensions (PHP, MySQL, Magento, Zend Framework; Linux, Mac OS X).
- Elsevier**
Amsterdam
May 2012 - Aug 2012
For accepting a license agreement for a specific product I have created a Magento extension. (PHP, MySQL, jQuery, Magento; Linux).
- Derks.IT**
Amsterdam
Mar 2012 - Apr 2012
For a client (media/digital agency) I resolved most of the most eye-catching issues in a not yet fully finished Magento website (mainly bugs in parts developed by a third party, integration of extensions and a newsletter API). (PHP, MySQL, jQuery, Magento; Linux).
- Derks.IT**
Amsterdam
Jan 2011 - Mar 2012
For a French client (fashion retail) I translated the graphical/HTML design into a working, dynamic HTML/JS/CSS version which I then in cooperation with an offshored team translated into a Magento template. Different to this website was the extensive use of dynamic elements on the homepage. (PHP, MySQL, jQuery, Magento; Linux).
- Derks.IT**
Amsterdam
Dec 2011 - Mar 2012
For a client in the online retail (equestrian sports) I resolved most of the most eye-catching issues in a not yet fully developed Magento website (such as export from MS SQL, import with automatic creation of attribute values, layered navigation using checkboxes, bugs in payment method extension, simple integration with Exact). (PHP, MySQL, jQuery, Magento; Linux).
- Derks.IT**
Amsterdam
Dec 2011 - Feb 2012
For a client in the automotive industry I have made a web application (partially nearshore) with which

employees could make a selection from a number of template images using a visual editor which will be used to create a PDF which is then sent via email. (PHP, MySQL, jQuery, CodeIgniter; Linux).

Tele2
Amsterdam

Sep 2011 - Oct 2011

For the Tele2 website I did a couple of smaller projects such as:

- IDEAL implementation for payments (iDEAL = the Dutch standard for online payments by the major banks)
- a uptime page for servers using the Pingdom API
- modifications for enabling a new product line on the website
- management tool for affiliate HTML snippets on the website
- research preparing use of the Icecat database

(PHP, MySQL, Zend Framework, jQuery, Pingdom API; Linux, Mac OS X, Windows).

Lost Boys
Amsterdam

Jul 2011 - Jul 2011

The Magento project that I would work on was cancelled after a couple of days after which I made myself useful for more than a week as frontend developer for monumenten.nl and NS Hispeed (PHP, MySQL, Zend Framework, jQuery, HTML5, CSS3; Linux, Mac OS X, Windows).

ABN AMRO
Amsterdam

Oct 2010 - Aug 2011

The new internal website for internal vacancies, Smartjobs, was developed using TomatoCMS / Zend Framework cooperating with the product owner, an interaction designer, design agency Luyfel, IT Infrastructure and the hosting provider (PHP, MySQL, TomatoCMS, Zend Framework, LinkedIn API, Selenium; Linux, Windows; Scrum).

Bruno Klassiek
Haarlem

Jul 2010 - Aug 2010

For this specialised classical CD and DVD store setup a webshop for selling tickets to classical concerts based on Magento with custom bugfixes and customisations (PHP, MySQL, Magento; MacOSX, Linux, Windows).

StudyTravel
Malaga / Amsterdam

Apr 2010 - Dec 2010

As a PHP software developer I again worked on implementing new functionalities into the website and related maintenance work (PHP, Smarty, MySQL, JavaScript; Linux, Windows).

Ibarra y Sanjuan
Amsterdam

Mar 2010 - Jun 2010

For this customer I setup a B2B webshop based on Magento with custom bugfixes and customisations (PHP, MySQL, Magento; MacOSX, Linux, Windows).

Miky.nl
Den Haag

Jan 2010 - Feb 2010

For this website I solved some bugs and implemented new functionalities (PHP, Zend Framework, MySQL; MacOSX, Linux, Windows).

StudyTravel
Malaga / Amsterdam

Mar 2009 - May 2009

As a PHP software developer I worked on implementing new functionalities into the website and related maintenance work (PHP, Smarty, MySQL, JavaScript; Linux, Windows).

TomTom
Amsterdam

Mar 2008 - Feb 2009

As a PHP software developer I contribute to the development team responsible for the TomTom website (PHP, Smarty, MSSQL, JavaScript; Linux, Windows; Scrum). Some of the projects I have done:

- Apache module for authentication based on mod_auth_tkt (C, OpenSSL, FreeTDS; Linux)
- Improving the application framework (PHP, Smarty, MSSQL, JavaScript; Linux, Windows)

BSM
Amsterdam

Sep 2007

Static code analysis of a HTML subscription form written in PHP for a major bank (PHP, MySQL; Linux, MacOSX, Windows).

Telfort
Amsterdam

Jan 2007 - Jul 2007

Again I was part of the development team and responsible for multiple projects. (PHP, PEAR, MySQL, JavaScript, HTML; Linux, Windows)

Robert Vlug
Haarlem

Jul 2006

I put in my observations for the chapter about security in the book "Een eigen webwinkel voor Dummies (My own webstore for Dummies)"

marktplaats.nl
Amsterdam

Aug 2006 - Dec 2006

For a number of months I was part of the development team and responsible for multiple projects regarding the website and the maintenance part. (PHP, PEAR, Smarty, MySQL, JavaScript, HTML; Linux, Windows)

Derks.IT
Amsterdam

Mar 2006 - Sep 2008

In cooperation with Holland Online we are working on some ideas, including a community website, shops and simple pay-per-view websites. For the community website I also implemented payments using iDEAL and used my own application framework. (PHP, PEAR, MySQL, JavaScript,

SourceGuardian; Linux, Windows)

ProvenModels
Amsterdam

Jan 2006 - Feb 2006

I helped this client by fixing a list of bugs in already existing code. (PHP, MySQL, JavaScript; Linux, Windows)

Ber-Art
Breda

Feb 2005 - Nov 2007

Support for Trojan Scan and security support.

Telfort
Amsterdam

Nov 2004 - Dec 2005

During this period I built an application framework to be used as the basis for new applications. I re-implemented the registration/authentication parts of the website using this framework, which also included some functional changes. (PHP, PEAR, MySQL, JavaScript, HTML; Linux, Windows)

Xinox
Delft

Dec 2004

To allow registered downloads of their JCreator product I built a download registration form, license administration and mailing list (the mailing list is based on the open source application PHPList which has been linked to the downloader data). (PHP, PEAR, MySQL, JavaScript, HTML; Linux, Windows)

Demon
Amsterdam

Sep 2004

ISP Demon had performance problems with a PHP/MySQL application used for Customer Care. After analysis of the problems, the MySQL configuration was adjusted, memory expanded and provisions were taken to archive out of date data. (PHP, PEAR, MySQL; Linux, FreeBSD)

Derks.IT
Amsterdam

May 2004 - Aug 2004

For an online ad company I created a library which removes double records from the customer database (incl. a similar application and an extension to the process of adding new customers that using this library whether the to be added customer does not already exist). Also I fixed already changed, but not yet working order forms. (PHP, PEAR, PHPLib, Smarty, MySQL, JavaScript, HTML; Linux)

Neverseen
Almere

Dec 2003 - Feb 2004

Over a period of several months I created the website of Pacorini Vlissingen, including a simple CMS for the maintenance of the news articles. (PHP, PEAR, MySQL, Javascript; Linux, Windows)

Telfort
Amsterdam

Jun 2003 - Apr 2004

During a nine-month period I have been involved actively and pro-actively in the development of various web-applications and APIs. Pro-active in advising on the to be used technology and methods (among others PEAR DB_DataObject and applying methods such as automatically generated documentation using phpDoc/phpDocumentor, automated testing using PEAR PHPUnit, etc). I also contributed to the security-awareness (e.g.: the security audit (crystal box) on my code did not reveal any critical security problems, some quotes from the report: "defensive way of programming", "the only correct way to deal with this [input validation]", "very good, almost perfect input validation"). Larger projects for which I was responsible:

- authentication and registration on the website, incl. setting up the user database and extensive and partly generiek administration environment for customer care (PHP, PEAR, MySQL, LDAP, HTML, JavaScript, shell script, perl)
- dispatching of incoming SMS messages and sending out an EMS logo
- MMS web-application that allows customers to view MMS messages sent to mobile phones without MMS support (PHP, PEAR, mmsdiary, JavaScript, HTML, XSLT, SMIL)
- generic API for processing incoming and sending out outgoing messages (SMS, MMS, etc) (PHP, PEAR, MySQL, dia: UML class diagrams)

Rubicon
Vianen

Mar 2003 - Apr 2003

For a customer of Rubicon I partly re-build an existing web-application and added new functionality to it regarding among others authentication and uploading files (PHP, PHPLib, Smarty, MySQL, JavaScript, HTML; Linux, Windows, Solaris)

Rubicon
Vianen

Mar 2003

For **TPG Post** I wrote the web functionality for Persoonlijke Postzegels, incl. the manipulation of uploaded photographs (PHP, JavaScript, DHTML library, HTML; Linux, Windows)

Apidea
Amsterdam

Dec 2002 - Dec 2003

This project concerned unlocking information of railway stations for **ProRail**. It was my job to handle importing data (photography, spreadsheets and other documents) into a MySQL database which was to be used as a SQLite database by an application run from CD. To make this possibly I wrote a SQLite driver for metabase and a generic database API for the Apidea framework. I also patched the PHP4 SQLite module to handle NULL values properly. (PHP, PEAR, metabase, MySQL, SQLite, VC++ 6, STL; Linux, Windows)

Derks.IT
Amsterdam

Dec 2002 - Apr 2003

I build a complete dating site with all required functionality, incl. member registration, authentication, chat, billing, manual matching, 128+ member qualities (PHP, PEAR, Smarty, MySQL, JavaScript,

HTML; Linux, Windows)

Vodafone
UK

Jul 2002 - Sep 2002

I made some small changes to their CMS (PHP, Oracle, HTML, JavaScript, WebDAV; Linux, Windows 98).

Razorfish Europe
Amsterdam

Apr 2002 - May 2002

For the framework of a website for car valuations in different countries and multiple languages per country, I implemented foremost user authentication (incl. registration etc.) (PHP, MySQL, HTML, JavaScript, Visual InterDev; Windows 2000).

Rits Automatisering
Deventer

Mar 2002 - now

For the Rits Account website I implemented user authentication (incl. registration, etc.) and user administration (PHP, MySQL, HTML, JavaScript; Linux, Windows 98). Also, I am working on a module that will enable encryption in one of the applications of Rits Account (Visual C++, OpenSSL, PHP, MySQL, SOAP; Linux, Windows 98/2000).

Apidea
Amsterdam

Feb 2002 - Apr 2003

Besides the website CMS to enter, modify, remove houseboats for the website www.woonboot.nl, I also wrote a GUI application which could be used e.g. on a laptop to enter new houseboat pictures and data on location at the client and which could be uploaded to the website CMS later. Part of the GUI application was the encryption of the PHP files to prevent unwanted manipulation among others (PHP, PHP-GTK, PEAR, ImageMagick; Linux, Windows)

EPOCera
Amsterdam

Jan 2002

For EPOCera I developed a software package in Visual C++ that uses the DOM to store data(-structures), and at the same time XML as the basis of a scripting language (Visual C++, MFC, XML; Windows 98/2000).

Apidea
Amsterdam

Dec 2001

As a consultant I advised on the internal IT organization of a customer of Apidea, for which I also joined in on a session with that customer. A short report was written about the session.

Connected Software
Rotterdam

Nov 2001 - Feb 2002

For KnowWise, an information system for consumers, I implemented encryption and HTTP proxy authentication (Visual Basic, ASP, MS SQL; Windows 98/2000).

Stachanov
Amsterdam

Jul 2001 - Aug 2001

As a contractor I was the main programmer in a project for building a document management system via intranet/internet (web-interface) (PHP, JavaScript, ODBC, MySQL, Microsoft SQL Server; Windows 98/NT, Linux).

I also did two small subprojects for another project (C, PHP; Windows 98/NT, Linux).

Wellance
Diemen

Jan 1999 - Jun 2001

As a Programmer Analyst (Senior since January 2001) I have been responsible for the design and development of the frontend part for the [regedoc](#) system, which is a system for sending and receiving documents registered and secured over the Internet or intranet. This encompassed the design and implementation of an ISAPI for Microsoft IIS, using performance counters, registry settings, the eventlog, encrypted communication and timestamping of documents, and an additional configuration utility. To do this I used MFC, PGP, Sybase and Oracle backend database (Rogue Wave DBTools++, Oracle OO4O, ODBC).

Furthermore, I also dealt with business security as a member of the Security Project Team and helped getting the BS7799 certification.

Siteways
Amsterdam

Sep 1996 - Dec 1998

As a Junior Programmer I worked on:

- guardian system for machines, websites, database, payment systems et cetera (C, shell scripts; IRIX)
- more secure version of the FTP daemon (only users in a certain file can go outside their home directory) (C; IRIX)
- porting of diverse Perl scripts to PHP (PHP; Windows NT, IRIX)
- system for preventing abuse of website account/authorisation by multiple persons (C, NSAPI, msql, shell scripts; IRIX)
- diverse programs and scripts for websites, authorisation- and payment databases (C, PHP, msql, shell scripts; IRIX, Linux)
- shops for websites (products, shopping basket and interface to payment module) (PHP, msql; IRIX)
- system for webserver statistics reports (email and HTML) (C, PHP; IRIX)
- solution to switch to ISDN when the regular (i.e. leased line) Internet connection does not provide enough bandwidth (on location in the U.S. I installed and improved this solution) (shell script; IRIX)
- porting of (Unix) C JPEG6a library to VC++ for an ActiveX control (Visual C++ 5.0; Windows 95)
- porting of the C++ Fraunhofer MPEG1-III audio decoder to Java (C++, JDK 1.1; Windows 95,

IRIX)

- Adobe Premiere Plugin for JPEG and AVL (LiveStream) (Visual C++ 5.0; Windows NT)
- initial design for a generic shop for the Internet (Word 97; Windows NT)

As an Assistant Systems Administrator I have been responsible for the usual tasks of system administration such as backup, security, mail, DNS, hard- and software installation and configuration, and small programming tasks (Systems: SGI, PC, Livingston, Cisco).

Vrije Universiteit
Amsterdam

Sep 1993 - Aug 1994

As a Student Assistant for the courses Software Engineering and Computer Networks with the faculty of Mathematics & Computer Science I coached students with their practical work for these courses. During the first course I coached five groups of about five persons. They had to implement a 'large' program as a team effort. In this case the program to implement was a route planner. The distinguished stages were: requirements specification, design, implementation (in C++) and evaluation. I also was responsible for judging the submitted results. During the second course I coached groups of one or two persons with the design and implementation (in C) of (a simplification) of the IP and UDP network protocols, and an ftp daemon and client. I was only responsible for coaching the groups.

Education

Vrije Universiteit
Amsterdam

Sep 1990 - Aug 1998

Information Sciences majoring in Computer Science, finished successfully with an M.Sc.

During my studies I did practical work for the courses Operating Systems, Compiler Construction, Computer Networks, Programming Languages (lesser known languages: ABC, Ada, Miranda, Prolog and Smalltalk) and Software Engineering.

Congresses, courses & seminars

Scrum Institute	Dec 2016 Scrum Master Accredited Certification
Magento	Sep 2012 Magento Developer's Paradise 2012
Startup Weekend	Jul 2012 Startup Weekend Amsterdam 2012
Magento	Jun 2011 Magento Developer's Paradise 2011
Magento	Oct 2010 Magento Developer's Paradise 2010
Mediaplaza	Feb 2008 Introduction to Information Security
(ISC)²	Nov 2007 Certified Information Systems Security Professional (CISSP) [continuation]
MySQL	Jan 2005 MySQL Core Certification (MCC)
Zend	Nov 2004 Zend Certified Engineer (ZCE) [PHP]
(ISC)²	Sep 2004 Certified Information Systems Security Professional (CISSP) [continuation]
PHP Magazine	May 2004 International PHP Conference 2004 Spring Edition
Sun	Sep 2001 Sun Certified Programmer for Java 2 Platform (SCJP)
(ISC)²	Jun 2001 Certified Information Systems Security Professional (CISSP)
Microsoft	Oct 2000 Developer Days 2000
Baltimore Tech.	Mar 2000 Mobile Commerce Security Seminar
InfoSupport	Nov 1999 Mastering MFC Development Using Microsoft Visual C++ 6.0

Activities

Open source projects	Aug 2001 - now My own open source projects: Magento : EmailImages also on Github: EmailImages (see also my website dedicated to Magento: Magentron), PEAR : Crypt Xtea , Rebuild Thunderbird's popstate , Trojan scan . Contributions to different Open Source projects: Ecomdev PHPUnit , fwanalog , SnortSnarf , Metabase , modman , NuSOAP , PEAR : PHPDoc , PHP : OpenSSL mÃ³dulo.
Home Owners Association Amsterdam	Aug 2006 - Dec 2011 For more than four years I have been the treasurer of my Home Owners Association.
NGI	2001 - 2009 Dutch Society for Information Science (NGI , Dutch), Security department.
S.V. Cyclades Amsterdam	Oct 1993 - Aug 1998 Active members of students club Cyclades, in which I was a committee member of among others: the bar, sports en introduction committees and member of the fraternity Elysiion, current status: POR (Mail

receiving old-member) (Cyclades, Dutch).

Languages

Dutch	native
English	fluent
Spanish	advanced
German	moderate