

Curriculum Vitae of Matthieu Peeters

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Personal data

Name: Peeters
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Given name: Matthieu
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Independent software development professional

Personality traits:

I am a fast learner, I have experience and skills in many areas, I am a real team worker, both in a leading as well as in a supporting role, and I am capable of recognising and preventing/correcting problems in an early stage.

Education

In 2017 a course System requirements engineering at the High Tech Institute Eindhoven
In 2011 a course Object Oriented Analysis and Design in UML at Microcentrum Eindhoven
In 2007 a course Working by Project at Schouten & Nelissen.
From September 2001 until September 2004 Biomedical Technology TU Eindhoven.
From September 1997 until September 2000 Technical Informatics TU Eindhoven.
From 1991 through 1997 Certificate of Secondary Education for Athenaeum at the DAC in 's-Hertogenbosch.

Work experience:

Independent contractor

deRoostermakers B.V.

From Februari 2017 until September 2017

Function: Developing the connection to different kinds of digital bus-stop information systems. As well as part of the database schema needed for that system.

ASML N.V.

November 2017

Function: Implement an experimental presentation method for requirements and design decisions and related documents and concepts. This was partially in Javascript as well as in ArangoDB.

Nexmosphere B.V.

From December 2017 until June 2018 intermittent.

Function: Developing an extensive measurement logging system based around PostgreSQL and Api3 (php), this is used to collect data from sensor data registration modules.

deRoostermakers B.V.

From Februari 2018 until March 2018

Function: Developing and designing different systems for a street-content management system.

Xidy Instore Innovations

From December 2014 until October 2016

Function: System architect/database architect/project leader

Responsibilities:

- Design and implement a database containing the whole stock and it's locations as well as an ERP solution of this production company.
- Connect the PostgreSQL system to and synchronise the data with the SQL Server used in the earlier project.
- Connect PowerScan wireless scanners and Zebra label printers to this system.
- Manage the development of a user-facing web-based front to this application.

Results:

- Whole production of the company is managed by this system. Procurement, and project management started.

From June 2014 until December 2014

Function: Database developer/application architect

Responsibilities:

- Upscale MS Access-based Company management application to SQL-Server based application.
- Design and implement web-based access to the data in this SQL-Server.

Results:

- MS Access-based application is faster and more scalable as the data is retrieved from an SQL-Server database.

- Design of web-based application using Python and Django completed.

R&D Studio

From May 2013 until 2017

Function: Hired software developer

Responsibilities:

- Architecture and design of the back-end of an extensive web-based design management tool for the automotive industry.
- Implementing the back-end of said management tool.

Results:

- New fully documented flexible Restful API for communication between front- and back-end implemented.
- User-rights system implemented.
- Progress reporting implemented.
- Database management tools implemented.
- File management, unit-tests, error-reporting, and data-import/export implemented.
- Flexible export and import of XML, CVS, JSON, or Excel formatted data implemented.
- Processes for developing said tool implemented.

Ovitech BV

From August 2006 until May 2013

Function: Software developer, team leader

Responsibilities, among many others:

- Architecture and design of complex back-end applications.
- Development of near-real time data-processing and distribution systems.
- Database design for complex data-systems.
- Managing the process of extending those applications from determining the requirements to testing and delivering the software and documentation.
- Implementing the back-end software for a web-interface on an embedded system.

Results:

- Many products were improved to a new quality level.
- Projects were done according to a standard formula concerning design, documentation, code quality, and testing.
- There is a stable system running that keeps track of the positions of almost all busses in the Netherlands, as well as makes predictions based on timetables, and distributes the results to digital stop displays, based on the BISON data format.

Many other results.

RWE Obragas

From December 2005 until Juli 2006

Function: Web developer

Responsibilities:

- Develop code to make the implementation of new forms faster and easier.
- Develop and maintain the code that generates HTML from the database content.
- Database management.

Results:

- I made an implementation of the DOM standard in PHP 4. As well as code to generate PHP classes from XML documents.
- A lot of small changes and improvements to the code that manages the website.

Siemens VDO

September 2005 through November 2005

Function: QA-tester, test-engineer, software developer

Responsibilities:

- Develop, plan, and execute tests for the quality of gyroscopes to be used in navigation computers.
- Develop a system to process and show data obtained by test-versions of those navigation computers.
- Connect the measurement hardware to a PC based ADC board.

Results:

- The tests were executed and the gyros were rejected.
- The measurement data could be processed and visualized much faster.

Andriessen & Partners

January 2005 through April 2005

Function: Test-engineer

Responsibilities:

Plan the process of building a set of regression-tests for an existing web-based application.

Designing a set of regression-tests for this e-learning application.

Building these regression-tests.

Results:

The regression-tests were build in the estimated time.

It was possible to test the functioning of the application without user interaction.

Stichting Thuiszorg Kempenland

December 2004

Function: Document designer/software designer

Philips Semiconductors, product line Imaging.

August 2003 through November 2004

Function: Quality and Reliability Engineer CMOS Imaging modules.

Responsibilities:

Quality verification of products for (mass) production.

Obtaining, organising, and analysing the data needed for this verification.

Improving and developing methods to obtain, organise, and analyse this data.

Improving and developing software and hardware to facilitate this.

Develop database-system to store test results.

Results:

Advised for or against the release of products for (mass) production.

Improved the methods to come to this advice.

Mountside Software Engineering (now part of Imtech)

September 2000 through June 2001

Function: Software Engineer

Responsibilities:

Writing software and checking the quality of that software.

Improving and checking the quality of other people's software.

Finding and improving methods to solve specific problems involving software.

Porting code from one system to the other.

Results:

Designed and wrote a system to divide bandwidth between different data streams in Suse (Linux) for an embedded communication system called "Mevidas".

Helped with implementation of the graphic interface for this system in QT.

Ported code from OS/2 to Windows NT Embedded for a printed circuit board assembler (pcb) for Assembleon.

Wrote software for another pcba for Assembleon.

Build a system to install Windows NT Embedded on the industrial PC's used for these assemblers.

Reason of departure: I started to study again.

Kwartana quarterly magazine

August 1997 through August 1998

Function: Free-lance layout man

Other experience:

November 1997 until now: **Tuna Ciudad de Luz**

This is the student music society of which I am a member. I used to be secretary in 1999/2000, which means that I kept contact with the customers, arranged deals, and organized performances. I used to be president in 2003/2004, which means that I carried the responsibility for the functioning of the whole group. During that period I played an important role in organizing our recurring Festival, where we hosted over 500 musicians and thousands of visitors.

During the same period I participated in many projects on the University, among which:

- Design and implementation of software that counts the number of cells and recognizes different cells in a picture of a cervical smear.
- Modelling artificial limbs and calculating the forces they must be able to withstand.
- Investigation to the speed of distribution and absorption of drugs in the human body.
- Design and build a floating semi-automatic robot that picks up and sorts balls of different colours.

I also worked in a pub for some time, as well as in a factory.

Further skills / experience:

Knowledge of computer networking and system management for OS X, Windows, Unix, and several distributions of Linux.

Knowledge of the inner workings and the management of databases like PostgreSQL, MySQL, SQL-Server

Programming languages and scripting languages like Common Lisp, Scheme, LFE, C/C++ (Borland and on Linux systems),

Pascal (Delphi), SQL (PostgreSQL, MySQL, MSSQL/tsql, sqlite), perl, awk, shell-script, SPlus, LabView, Java, PHP (Zend Framework, Drupal, Slim), javascript (jquery, angularjs, OpenLayers), Python (Django), CSS3, and SASS, assembly languages (386 and z80), and Visual Basic.

Protocols and formats like ActiveMQ, HTTP, JSON, SOAP, RESTful, XML, XSLT, and CTX.

Computer programs like OmniGraffle, Word, Excel, Eclipse, Visual Studio, Lotus Notes, Subversion, WikiMedia, etc.

Detailed knowledge of the implementation of (floating point) arithmetic on modern computers.

Knowledge of SCRUM and Agile, software development methods, OOP, design patterns based development, single page websites/webapplications.

Foreign languages: Dutch as native speech, Fluently English, reasonable knowledge of German and French, some knowledge of Castilian.

Driving licence, in the possession of a car.

Hobbies:

Playing the guitar, performing with our music group, home and abroad, English and Russian literature, history books, and travelling (mostly in Italy and Spain). Translations, choir, Capoeira and Brazilian dance.