

# curriculum vitae

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*nationality* Belgian  
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*personality type* antifragile

*profession* **ICT consultant**  
1994-10 –

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2019

*guiding principles* design for the real world, not for an ideal one (Nakamichi principle).  
a dearth of thinking and analysis upfront creates an inordinate amount of work later on.

*recurring clients* ASML, Euroclear Bank, IBM, Ministerie van de Vlaamse Gemeenschap, Telenet, ...

*previous positions* **Founder and Member of the Board**, STUDIO vzw (Flemish professional photographer's association)  
2009-04 – 2010-10  
**Member of the Board**, SOFAM cvba (Belgian society of visual artists)  
2008-10 – 2011-10  
**Freelance Photographer**, see website at [www.johanbuelens.net](http://www.johanbuelens.net)  
1994 – 2018  
**Senior systems engineer**, IMEC / K.U.Leuven, department of Electrical Engineering  
Research Groups SISTA, COSIC and MI2 (Machine Intelligence & Imaging)  
1990-10 – 1994-09  
**Systems engineer**, K.U.Leuven, Laboratory for quantum chemistry  
1988-07 – 1990-10  
**Programmer**, K.U.Leuven / U.Z. Gasthuisberg, Project InfoVisie  
1987-09 – 1988-06  
**Programmer**, K.U.Leuven, Institute of Zoology  
1985-09 – 1987-09

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*command of  
languages*

**Dutch:** native language  
**French:** excellent  
**English:** above average

*education*

**Bachelor's degrees in the Philosophy of Science and of the Arts**  
K.U.Leuven, 1990-06

**Master's degree in Biology**  
K.U.Leuven, 1982-06

*publications*

**Lapidarium**, a monthly column about photography  
Photonmagazine, 2011-01 – 2017-12

**Cryptanalysis of the CFB mode of the DES with a reduced number of rounds**  
Bart Preneel, Marnix Nuttin, Vincent Rijmen and Johan Buelens  
Lecture Notes in Computer Science 773  
Advances in Cryptology – Crypto '93 – Springer Verlag, 1994

*awards*

**Qualified European Photographer**, Federation of European Photographers  
2007-05

# some consultancy assignments

<i>linux storage on IBM zSeries</i>	<b>Federale Overheidsdienst Financiën</b> scripting and programming multipath disk I/O monitoring and snapshot administration with RESTful API over libcurl on Suze linux <i>SLES, IBM zSeries, IBM A9000R, bash scripting, C programming, JSON</i>	2019-10 – 2019-10
<i>linux administration</i>	<b>Allianz</b> management of and programming on Red Hat Enterprise Linux servers v. 7.2 <i>RHEL 7, Confluence, ELK stack (Elastic Search, Logstash, Kibana), Bash scripting, C programming, migration from init to systemd</i>	2019-07 – 2019-09
<i>software administration</i>	<b>KBC</b> management of (mainly virtual) Red Hat Enterprise Linux servers versions 6 & 7 in a highly secured banking environment <i>RHEL 6, RHEL 7, Satellite, Keycloak, Ansible, F5, Vmware, Jira, Confluence, Service Now, git, bootstrap 4.0</i>	2019-01 – 2019-03
<i>cloud automation</i>	<b>Devoteam / Telenet</b> deployment and automation of cloud infrastructure <i>Ansible, Docker, Kubernetes, Red Hat Openstack, ELK stack (Elastic Search, Logstash, Kibana) and Grafana, Crawling Test Automation</i>	2018-05 – 2018-10
<i>illness</i>	–	2018-01 – 2018-05
<i>embedded development</i>	<b>Illuminati</b> webhosting, design and implementation of a remote-controlled, high-availability webserver cluster using Arduino Mega and Raspberry Pi boards <i>Arduino, Raspbian / Debian, Java, embedded C/C++, HACMP, Oracle VirtualBox VM, CentOS / Red Hat, Ubuntu</i>	2014-01 – 2017-12
<i>ict planning hard- &amp; software</i>	<b>Charta Vlaanderen / De Bron</b> design of a house style and ICT-infrastructure for a new media project <i>HACMP, Debian, SAN, Drupal, Photoshop CS6, Final Cut Pro X</i>	2012-09 – 2013-12
<i>digital photostudio automation</i>	<b>Illuminati</b> implementation of a complete workflow for a digital photostudio <i>OS X, PostgreSQL, Sqlite3, C, Java, bash, html, css, javascript, php, Photoshop CS6, network design (vlan, 802.3ad trunking), iSCSI, SAN</i>	2009-01 – 2012-09
<i>virtual servers provisioning</i>	<b>IBM / Total Petrofina Research</b> partitioning of IBM pSeries servers into Linux virtual servers <i>IBM pSeries, AiX 5.3, VIO, SAN, Linux Red Hat &amp; Suse</i>	2008-09 – 2008-12
<i>ibm pSeries administration</i>	<b>IBM / Randstad Interim</b> installation and partitioning of IBM pSeries servers <i>IBM pSeries, AiX 5.3, VIO, Linux Red Hat &amp; Suse</i>	2008-08 – 2008-09
<i>ibm pSeries administration</i>	<b>IBM / Electrabel</b> daily administration of IBM pSeries servers and Linux virtual machines <i>IBM pSeries, AiX 5.3, VIO, Linux</i>	2008-08 – 2008-08

# some consultancy assignments

<i>server farm management</i>	<b>IBM / Fortis Bank</b> optimization analysis and update planning of an ageing server park <i>HP-UX, Solaris 8, Linux, AiX 5.3</i>	2008-03 – 2008-08
<i>ibm pSeries administration</i>	<b>BMW Financial Services</b> installation and management of IBM pSeries servers <i>IBM pSeries, AiX 5.3, VIO</i>	2007-08 – 2008-04
<i>network management</i>	<b>Ministerie van de Vlaamse Gemeenschap</b> provisioning and security management of cisco switches and routers <i>Cisco IOS, SNMP, Radius, VMware, HP blades &amp; ILO, Suse Linux SLES10, Cacti, MySQL, PostgreSQL, Oracle 10g</i>	2007-02 – 2008-02
<i>ibm pSeries provisioning</i>	<b>USG People</b> installation of two delocalized IBM pSeries HACMP clusters <i>IBM pSeries, AiX 5.3, HMC, VIO</i>	2006-08 – 2006-09
<i>web development</i>	<b>Euroclear Bank</b> analysis, design and development of an intranet-based management system for a heterogeneous network of Unix computers <i>UX design, AiX, Linux, Solaris, apache, mysql, php, ssh, sudo, shell scripting</i>	2004-04 – 2006-06
<i>factory automation</i>	<b>AMI Semiconductor</b> proof-of-concept and feasibility study for a cross-platform automation project using Remote Procedure Calls (RPC) in an industrial semiconductor production plant <i>Linux, HP-UX, VMS, RPC</i>	2004-03 – 2004-04
<i>systems administration</i>	<b>KAVA</b> administration of a heterogeneous network; design and implementation of backup and recovery procedures; porting of legacy applications <i>C, Ksh, Linux, UnixWare, Informix, C-ISAM, apache, sendmail, ssh</i>	2003-10 – 2004-01
<i>installation software</i>	<b>ASML</b> architecture, design and implementation of new installation and patching software for lithography steppers and scanners <i>Solaris 8 administration, shell scripting and scripting tools, Java &amp; JDBC, XML, Safer C, qac, insure, software quality management</i>	2002-06 – 2003-08
<i>internet services</i>	<b>Tiscali</b> integration of six existing ISP's into a new European-wide standard platform and product offering <i>Linux, Solaris 8, Mac OS/X, php, HTML, PostgreSQL</i>	2001-11 – 2002-01
<i>invoicing software</i>	<b>Sodexo Pass</b> euro-conversion and partial redesign of a document processing application <i>Linux, OSF/1, C, Oracle, Postscript programming</i>	2001-03 – 2001-06

# some consultancy assignments

<i>document processing</i>	<b>Xerox</b> data-driven text and graphics generation for a banking company <i>Linux, Solaris 8, C++, CompuSet, Postscript</i>	<i>2000-10 – 2001-01</i>
banking software development	<b>Cimad / IBM</b> integration of SNMP in the CTS middleware; development of the ‘System Level Performance Reporting’ part of the ‘Continuous Link Settlement Bank’ software <i>AiX 4.3, Linux, C++, SNMP, Netview, Embedded SQL, DB2</i>	<i>1998-09 – 2000-10</i>
<i>edi</i>	<b>General Electric Information Services</b> re-engineering of an existing Electronic Data Interchange package used in the automotive industry towards a client/server model using TCP/IP <i>HP-UX, C, C++, Java, TCP/IP, Tcl/Tk</i>	<i>1997-09 – 1998-03</i>
<i>digital imaging</i>	<b>Duplimedia</b> audit and reorganization of the digital imaging department of the leading Brussels based professional photolab <i>Digital Imaging, HRM</i>	<i>1997-03 – 1997-06</i>
<i>multimedia</i>	<b>KOS International</b> design and development of multimedia presentations for the pharmaceutical industry using authoring tools <i>Linux, TX-authoring</i>	<i>1995-11 – 1996-12</i>

# references

*Bart De Moor* Full professor at K.U.Leuven  
Department of Electrical Engineering, Research Division ESAT-STADIUS  
previously Vice-rector for International Policy at K.U.Leuven  
bart.demoor@esat.kuleuven.be

*Bart Motmans* Innovation Policy Officer at K.U.Leuven Research & Development  
previously Advisor for Science and Innovation, Flemish Government  
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*Cristian Radu* Vice President New Products Engineering at MasterCard International  
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