

curriculum vitae

name Johan H.A.L. Buelens
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profession **ICT consultant**
1994-10 –

guiding principles 'Design for the real world, not for an ideal one.' (Nakamichi principle).

'If you only read the books that everyone else is reading, you can only think what everyone else is thinking.' (Haruki Murakami, 1987)

1 / 6
February
2021

recurring clients ASML, Euroclear Bank, IBM, Ministerie van de Vlaamse Gemeenschap, Telenet, Federale Overheidsdienst Financiën, ...

previous ict positions **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

previous management 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
Founder and CEO, Illuminati bvba (Photography studio)
1996-10 – 2020-07

johan buelens

curriculum vitae

*command of
languages*

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

education

Master's degree in Biology
K.U.Leuven

Bachelor's degree in the Philosophy of the Arts
K.U.Leuven

Bachelor's degree in the Philosophy of Science
K.U.Leuven

Master's degree in the Visual Arts
Luca School of Arts

publications

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

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

awards

Qualified European Photographer
Federation of European Photographers (FEP)

some consultancy assignments

<i>system architect</i>	Federale Overheidsdienst Financiën advice on dynamic allocation of resources between logical partitions on an IBM zSeries mainframe cluster <i>IBM zSeries, IBM A9000R, HMC, DLPAR</i>	2021-02 – 2021-02
<i>system engineer expert</i>	MLOZ day to day administration of RHEL 6 and 7 (mostly virtual) machines <i>lvm, ansible, bash scripting, C programming, jira, confluence, nagios, scom, squaredup, ...</i>	2020-07 – 2020-10
<i>linux storage on IBM zSeries</i>	Federale Overheidsdienst Financiën 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>	Allianz managment 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>	KBC managment 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>	Devoteam / Telenet 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>	Illuminati 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- & software</i>	Charta Vlaanderen / De Bron 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>	Illuminati 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

some consultancy assignments

<i>virtual servers provisioning</i>	IBM / Total Petrofina Research partitioning of IBM pSeries servers into Linux virtual servers <i>IBM pSeries, AiX 5.3, VIO, SAN, Linux Red Hat & Suse</i>	2008-09 – 2008-12
<i>ibm pSeries administration</i>	IBM / Randstad Interim installation and partitioning of IBM pSeries servers <i>IBM pSeries, AiX 5.3, VIO, Linux Red Hat & Suse</i>	2008-08 – 2008-09
<i>ibm pSeries administration</i>	IBM / Electrabel daily administration of IBM pSeries servers and Linux virtual machines <i>IBM pSeries, AiX 5.3, VIO, Linux</i>	2008-08 – 2008-08
<i>server farm management</i>	IBM / Fortis Bank 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>	BMW Financial Services installation and management of IBM pSeries servers <i>IBM pSeries, AiX 5.3, VIO</i>	2007-08 – 2008-04
<i>network management</i>	Ministerie van de Vlaamse Gemeenschap provisioning and security management of cisco switches and routers <i>Cisco IOS, SNMP, Radius, VMware, HP blades & ILO, Suse Linux SLES10, Cacti, MySQL, PostgreSQL, Oracle 10g</i>	2007-02 – 2008-02
<i>ibm pSeries provisioning</i>	USG People 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>	Euroclear Bank 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>	AMI Semiconductor 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>	KAVA 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

some consultancy assignments

<i>installation software</i>	ASML 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 & JDBC, XML, Safer C, qac, insure, software quality management</i>	2002-06 – 2003-08
<i>internet services</i>	Tiscali 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>	Sodexo Pass euro-conversion and partial redesign of a document processing application <i>Linux, OSF/1, C, Oracle, Postscript programming</i>	2001-03 – 2001-06
<i>document processing</i>	Xerox data-driven text and graphics generation for a banking company <i>Linux, Solaris 8, C++, CompuSet, Postscript</i>	2000-10 – 2001-01
banking software development	Cimad / IBM 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>	1998-09 – 2000-10
<i>edi</i>	General Electric Information Services 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>	1997-09 – 1998-03
<i>digital imaging</i>	Duplimedia audit and reorganization of the digital imaging department of the leading Brussels based professional photolab <i>Digital Imaging, HRM</i>	1997-03 – 1997-06
<i>multimedia</i>	KOS International design and development of multimedia presentations for the pharmaceutical industry using authoring tools <i>Linux, TX-authoring</i>	1995-11 – 1996-12

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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