

**Date of birth:** 16/06/1984 | (+32) 474367524 | [info@ohm-consultancy.be](mailto:info@ohm-consultancy.be) | <http://www.ohm-consultancy.be/> |

Rijkbos 46, 9620, Zottegem, Belgium

## ● WORKRELATED SKILLS

---

### Expertise as Software Engineer:

---

- Skilled in C++ and C
- Moderately skilled in Python, C# and Java
- Object oriented design (design patterns and principles)
- Test driven development (TDD, Unit Testing)
- Network communications and video streaming
- Programming and interfacing different kind of SOC's and electronic components
- Embedded systems: Debian, Centos/Redhat or on Windows
- Containerized deployment and management: Docker, Kubernetes, Amazon AWS and Google Cloud
- Growing skill in Android App development

## ● EDUCATION AND TRAINING

---

15/05/2020 – 18/05/2020

**GOOGLE CLOUD: GCP FUNDAMENTALS** – Google

---

08/06/2018 – 10/06/2018

**AMAZON AWS TRAINING** – Cisco

---

08/11/2017 – 11/11/2017

**KUNERNETES TRAINING** – RX-M Cloud Native Computing

---

2016 – 2020

**VARIOUS CISCO INHOUSE C++ PERFORMANCE TRAININGS (2016, 2020)** – Cisco

---

2016 – 2017

**VARIOUS CISCO INHOUSE C++ SECURITY TRAININGS (2016, 2017)** – Cisco

---

09/12/2014 – 20/01/2015

**SOFTWARE ARCHITECTUUR AND AGILE DEVELOPMENT** – Eduvision

---

01/09/2002 – 30/06/2006 – Gent

**MASTER OF SCIENCE IN ELECTRONICS, OPTION DEVELOPMENT TECHNIQUES** – KaHo Sint-Lieven

---

## ● WORK EXPERIENCE

---

14/03/2015 – CURRENT – Kortrijk, Belgium

**FREELANCE C++ SOFTWARE DEVELOPER** – CISCO / SYNAMEDIA

---

Product is the virtual Digital Content Manager. A virtualized and software-based video processing for live multiformat video delivery.

- Developed a new ad insertion system that: communicates with an ad server using VAST, passes viewer-counts and prepares the vDCM Splicer to switch to one or more ads being streamed from a DASH or HLS source. (C++)
- Expand the vDCM with diagnostic measurements, storage of metrics in influxdb and displaying the metrics in Grafana (Python)
- Containerizing the diagnostics modules and integrate in the vDCM (Kubernetes)
- Extend container setup system and test system with diagnostic modules (Ansible)
- Created a fully capable Centos installer with repair and downgrade functionality. (Bash, Python, Centos/Redhat, Rpm)
- Created a fully automated test environment that setups a clean VM, installs Centos and tests the installer in all important use cases (Python)

- Many different kind of platform related tasks (Centos Linux, C++)

01/03/2015 – 31/03/2016 – Gent, Belgium

**FREELANCE HARDWARE AND SOFTWARE C# DEVELOPER – FAMILYEYE**

---

Product that uses a 3D sensor that can detect a person falling. Moving from proof-of-concept to product

- Optimize code base for efficiency. (C#)
- Refine the fall algorithm to improve results. (C#)
- Automate installation and configuration procedure. (Debian, Bash)
- Implement framework for live communication through the device. (C#, WebRTC)
- Start concept to replace current infrared sensor and skeleton detection system with a future proof solution.

02/02/2015 – 27/02/2015

**FREELANCE ANDROID, JAVA SOFTWARE DEVELOPER – APPSIDE**

---

- Develop a new file manager with a beautiful ui, specified by the customer
- Seamless Google Drive and Dropbox integration

01/01/2014 – 31/12/2014

**FREELANCE C++ SOFTWARE DEVELOPER – XTRALIS - VSK**

---

Product is an integrated video surveillance, recording, processing, detection and streaming solution.

- Fix performance and lockup inside custom video H264 decoder card and the embedded linux drivers and program. (C, C++, embedded Linux)
- Improve and extend communication with different IP camera's (C++, Qt, HTTP)
- Created a Dbus IPC daemon and integrate in the FastTrace 2 (C++, Qt, Dbus)
- Refactor legacy code (C++, Qt)
- Transition the FastTrace 2 to a newer linux platform and kernel. (Debian Jessie)
- Transfer from perforce to git (gitlab) and setup a continuous integration system

Harelbeke, Belgium

01/01/2014 – CURRENT

**OWNER – OHM CONSULTANCY BVBA**

---

<http://www.ohm-consultancy.be/> | Gent, Belgium

01/08/2006 – 31/12/2013

**DEVELOPMENT ENGINEER – DEKIMO**

---

**while working in Dekimo I did a wide range of projects listed below:**

Gentbrugge, Belgium

01/09/2008 – 31/12/2013

**SOFTWARE DEVELOPER – DEKIMO: XTRALIS - VSK**

---

Product is an integrated video surveillance, recording, processing, detection and streaming solution.

- Improve the low bandwidth network performance of the H264 (MPEG4) video streaming and keep the video stream real-time. (TCP/UDP, H264, C++,Qt, Linux)
- Completely renew the GUI of the client. (C++, ATL/WTL)
- Expand network connectivity through ppp (isdn, pstn). The device can send alarms and allow video connections through a pstn or isdn modem. (C++, Qt, ATL/WTL, Linux(server), Windows(client) )
- Integrate the wireless network connectivity with 3G / 2G. (C++, Qt, linux, ATL/WTL)
- Improve connecting and handling network IP camera's (C++, Qt, Linux)
- Fix performance and lockup custom video H264 decoder card. Debug the embedded linux, drivers and program. (C, C++, embedded Linux)

Harelbeke, Belgium

01/04/2008 – 01/09/2008

**SOFTWARE DEVELOPER – DEKIMO: FASTTEL**

---

Firmware video intercom. In a team of 4 persons, I developed a smooth/blink free user interface and aided in the connectivity with the peripheral. (C++, MFC, GDI, windows mobile)

Lokeren, Belgium

01/09/2007 – 01/04/2008

**SOFTWARE DEVELOPER – DEKIMO: NUANCE**

---

- Development translation tool (awk, C, regexp)
- Development demo gui for speech-recognition engine (C++, GDI)
- Aided in the renewal of the python framework for extensive testing of the speech-recognition engine. (Python)

Merelbeke, Belgium

01/05/2007 – 01/09/2007

**EMC TEST ENGINEER – DEKIMO: BARCO**

---

Perform EMC compliant testing on BARCO products

Kortrijk, Belgium

01/03/2007 – 01/05/2007

**SOFTWARE ENGINEER – DEKIMO: NXP PHILIPS**

---

Development Demo/test program for newly developed usb audio headphone chip. (C++, MFC)

Brussel, Belgium

01/10/2006 – 01/03/2007

**SOFTWARE DEVELOPER – DEKIMO: DYMO**

---

In a team of 4 I aided in the development of a COM library for the communication with the Rhino label printer. (C++)

Lokeren, Belgium

01/08/2006 – 01/10/2006

**HARDWARE TEST ENGINEER – DEKIMO: ALCATEL**

---

Hardware and firmware testing of newly developed ADSL and VDSL distribution cards

Antwerpen

● **LANGUAGE SKILLS**

---

**Mother tongue(s):** DUTCH

**Other language(s):**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	B2
<b>FRENCH</b>	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user