

PERSONAL INFORMATION

Malic Zilyas

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Date of birth 16/06/1984 | Nationality belg

WORK EXPERIENCE

01/01/2014–31/12/2014

Freelance C++ Software Consultant

Xtralis - VSK, Harelbeke (Belgium)

- Fix performance and lockup custom video H264 decoder card. Debug the embedded linux, drivers and program. (C, C++, embedded Linux)
- 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
- Fix communication problems with certain IP camera's
- Created a Dbus IPC daemon and integrate in the FastTrace 2

01/01/2014–Present

Owner

Ohm Consultancy BVBA, Gent (Belgium)
<http://www.ohm-consultancy.be/>

01/08/2006–31/12/2013

Development Engineer

Dekimo, Gentbrugge (Belgium)

wide range of projects [listed below](#)

01/09/2008–31/12/2013

Software Engineer

Xtralis - VSK, Harelbeke (Belgium)

- Expand the connectivity through ppp. The device can send alarms and allow video connections through a pstn or isdn modem. (C++, Qt, ATL/WTL, Linux(server), Windows(client))
- Completely renew the GUI of the client. (C++, ATL/WTL)
- Improve the low bandwidth performance of the H264 video streaming and keep the video stream real-time. (TCP, H264, C++, Qt, Linux)
- Expand the connectivity through 3G. (C++, Qt, linux, ATL/WTL)* Improve connecting and handling 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)

01/04/2008–01/09/2008

Software Engineer

Fasttel, Lokeren (Belgium)

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. (MFC, GDI, windows mobile)

01/09/2007–01/04/2008

Software Engineer

Nuance, Merelbeke (Belgium)

- 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)

01/05/2007–01/09/2007

EMC Test Engineer

Barco, Kortrijk (Belgium)

Perform EMC compliant testing on BARCO products

01/03/2007–01/05/2007

Software Engineer

NXP Philips, Brussel (Belgium)

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

01/10/2006–01/03/2007

Software Engineer

Dymo, Lokeren (Belgium)

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

01/08/2006–01/10/2006

Hardware Test Engineer

Alcatel, Antwerpen (Belgie)

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

EDUCATION AND TRAINING

01/09/2002–30/06/2006

Master of Science in Electronics, option Development Techniques

KaHo Sint-Lieven, Gent (Belgie)

PERSONAL SKILLS

Mother tongue(s) Dutch

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	B2
French	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
[Common European Framework of Reference for Languages](http://www.europa.europa.eu/education/languages/framework/index_en.htm)

Job-related skills

My expertise as Software Engineer/Developer/Programmer is in:

- Object oriented design in C++(11) (design patterns and principles)
- Test driven development (TDD, Unit Testing)
- Network communications, video streaming, improving quality, efficiency and performance
- I love to work with Linux, in small systems (embedded linux) and large (client, server, Debian, Ubuntu) and I am also proficient in Windows.

[Related document\(s\):](#)

Computer skills

- Program languages: C, C++, JAVA, Python

- Frameworks: Qt, MFC, ATLWTL
- Test Driven Development (TDD)
- Tools: Qt Creator, GCC, Visual Studio, Perforce, Git
- Networking: TCP/IP, video streaming H264, RTP, RTSP
- Operating Systems: Linux (Debian,Ubuntu, embedded), Microsoft Windows, Windows Mobile