

# C.V. KURT HAENEN

## INTRODUCTION

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After a relatively typical career-path as Master (Burgerlijk Ingenieur) in Computer Sciences from developer over software architect, technical consultant, pre-sales consultant, team leader, IT manager and project leader over the past 20 years, I've learned at least one thing about myself: I love computer-technology and programming - and I'm good at it!

I can rely on a lot of practical experienced with different forms of software development, from embedded software, over Windows and Unix programming, Android (apps & system, JAVA & C++) up to Internet tooling (PHP, node.js, ...), years of living the evolution of all those technologies which now form the basis for "hot" functions like IoT and most of all the 'drive' and need to understand technology, because understanding leads to improvements and new solutions.

By also having experience in pre-sales and project-leading, I also know technology can't survive on its own and has to be in service of creating a successful product, maintainable, sellable, ... In other words, requiring various visions (development, sales, service, finance, ...) to cooperate to generate such a successful and profitable product. I myself want to stay close to the technology, but my experience in other fields does bring understanding of and cooperation with the other parties.

My recent experience includes in-depth analysis of the Android system (from Linux kernel, over system-components of the Android framework to app-development), with code-development in JAVA, C and C++, following an Agile principle and using Android Studio, JUnit, Robolectric, Mockito, PowerMockito, GIT and Gitlab.

## COORDINATES

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## REFERENCES

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Senior Manager Advanced Development TP Vision

**Frederik Goethals** - [FrederikGoethals@hotmail.com](mailto:FrederikGoethals@hotmail.com) - +32 (479) 77 86 16

former Project Manager at TP Vision, now Director Program Management at Barco

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former Architect at TP Vision, now Cloud Expert at Barco

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former Director Software Development at TP Vision,  
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**Jo Caudron** - [Jo@DuvalUnion.com](mailto:Jo@DuvalUnion.com) - +32 (475) 43 80 98

CEO of xCA N.V., now Founding Partner of Duval Union Consulting and more

## KNOWLEDGE

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**Programming languages:** C, C++, JAVA, PHP, Javascript, Unix/Bash shell script, ...

**Other languages:** SQL (MS SQL Server, MySQL & sqlite3), HTML, XML, ...

**Tooling:** MS Visual Studio, Android Studio, Eclipse, GIT, Subversion, ...

**Network-protocols and Tools:** HTTP, SMTP, POP3, IMAP, iptables, socket-programming, ...

**Usage of:** Windows, Linux, Android, MS Office, OpenOffice, Photoshop, Dreamweaver, AutoCAD, Apache Webserver, ...

**Others:** Logical insight in programmatic and technical problems and the working of computersystems - a strong asset to quickly understand new technologies and build on them - crucial to allow quick diving into new environments and taking correct technical and architectural decisions.

## LANGUAGES

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<b>Dutch:</b>	Mother tongue	I haven't practiced my French and German during the last few
<b>English:</b>	Very well	years, so it will take a bit of practice to speak them fluently
<b>French:</b>	Well	again, but the knowledge is still there and understanding them
<b>German:</b>	Well	is no problem at all.

## EXPERIENCE

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### Barco (customer from march 2016 until present)

**Software Analyst** performing various development tasks in C++ and JAVA.

### TP Vision (customer from 2012 until 2016)

**Software Analyst** handling problem-analysis and -solving for complex stability and performance issues in existing software.

**Advanced Development technical lead / consultancy**, with focus on Android framework and app-development.

### Philips Innovative Brugge (customer from August 2003 until 2012)

**Project Leader** responsible for the creation and integration of the firmware for high-end flat-screen television sets, created by a team of hundreds of programmers spread out over the entire world (mostly Bruges, Eindhoven and Bangalore in India).

### xCA N.V. (April 2000 – February 2003)

**Software Architect** for xCA.Suite. xCA.Suite is a product built around a WYSIWYG editor for different mark-up languages, ex. HTML, WML, cHTML, PML, etc. Here I was responsible for:

- General design of the (JAVA-based) server side of xCA.Suite
- Implementation of that design (leading a team of two developers)
- Optimization of time-critical code
- Securing the product licenses with RSA cryptography

**Technical and Pre-Sales Consultant**, giving courses on xCA.Suite to customers or giving demonstrations and technical information on the product to potential customers, to convince them to buy the product.

**Team Leader Services**, responsible for:

- A team of five consultants
- Planning of and task-assignment for new projects
- Follow-up on the progress of the projects
- Contact with partners and customers

**IT Manager** (in combination with the task as team leader), responsible for:

- Managing the Windows 2000 Domain Controllers / Active Directory
- Managing the Exchange server
- Installing and managing the Linux firewall
- Negotiating contracts for the Internet connection, the telephone system, etc.
- Coordinating the separation of xCA's LAN from that of the former mother company  
The Reference
- Coordinating the IT operations required for the move to a new building
- And all of the above within a very tight budget

### **Barco Graphics (August 1994 – April 2000)**

**Software Developer and Software Architect** of pre-press software in C, C++ and JAVA.

Major projects:

- Design and implementation of a graphical library on top of The X Windows System allowing easy building of user-interfaces with DTL (a proprietary language of Barco Graphics, similar to Visual Basic).
- Maintenance and extension of several low-level libraries.
- Design and implementation of a class-library in C++ and JAVA for efficient client-server communication (comparable to Corba and DCOM, but more efficient and easier to use).
- Design and implementation of a workflow system for pre-press documents.
- Creation of an intranet site with database-driven pages, secured access and MP3 multicasting.

### **K.U. Leuven (August 1991)**

**Holiday-job:** design and implementation of an assembler for the assembly language DRAMA used as an educational tool at the K.U. Leuven.

## **EDUCATION**

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1983 – 1989 Humaniora  
Lagere cyclus Latijn-Grieks, hogere cyclus Latijn-Wiskunde  
Aangenomen College Sint-Truiden

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1989 – 1994 Burgerlijk Ingenieur in de Computerwetenschappen  
(Masters degree in Computer Science)  
Katholieke Universiteit Leuven (KU Leuven)  
Thesis: Higher Order Radiosity Approximations

## **HOBBIES**

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- My son
- Listening to music (classical, pop, rock, ...)
- Expanding my technology-horizons and applying technology (ex. use Linux, Raspberry Pi, ...)