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## Gerd Van Zegbroeck

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Freelance ICT Consultant & Developer  
Managing Software - Sole Proprietorship

Latest version of this document available at:  
<http://www.managingsoftware.com/profile.html>

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### Personal data

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- Date of birth January 30, 1969
- Place of birth Bornem, Belgium
- Nationality Belgian

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### Language skills

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- Dutch native
- English excellent verbal & writing skills
- French good verbal skills
- German elementary knowledge

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### Education

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- **Nationaal Radio- en Filmtechnisch Instituut (N.A.R.A.F.I.) – Brussels, Belgium** **1987 - 1990**  
**Bachelor Electronics Engineering** - with high distinction

Thesis: Optical Character Recognition; microcontroller operated video digitizer integrated in the design of a CCD camera; design and implementation of hardware, firmware and software.

- **Technische Scholen Mechelen (T.S.M.) – Mechelen, Belgium** **1984 - 1987**  
**A2 Electronics** - with distinction

Thesis: Communication techniques at microprocessor level; design and implementation of RS232/485 & Centronics interfaces for Apple II & C64; Communication software in assembly language.

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### Additional training

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- Objective-C
- Cocoa for OS X & iPhone
- Advanced MAC OS X programming
- C/C++ application development for Microsoft Windows
- C# .NET
- Object oriented software design
- Server-side application design

# Curriculum Vitae

Gerd Van Zegbroeck



- UML & patterns
- MS Exchange Server Administrator
- MS SQL Server Administrator
- Integration of intranets in a business environment
- Project management: technical, financial & timing aspects

## Technical expertise

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- Development environments: Xcode; Visual Studio; C++Builder; Delphi; Eclipse
- Programming languages: C/C++; Objective-C; C#; Delphi; VB; assembly languages for several microprocessors and microcontrollers
- Scripting languages: Microsoft SQL; MySQL; Ansi 92 SQL; PHP; LUA; HTML; XML; JavaScript; most common Internet protocols
- Frameworks: Cocoa; Cocoa Touch; .NET; Win32; VCL; CLX
- Concepts: Networking; 3-tier; distributed environments; OpenGL/AL; game systems
- Databases: Microsoft SQL; MySQL; Interbase; Firebird; PostgreSQL; MS Access
- Additional: MS Office; Adobe Photoshop & Illustrator; Adobe Dreamweaver; several versioning systems

## Availability

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My expertise primarily lies in iPhone, iPad, Mac OS X and C# for .NET development. Therefore I'm interested in freelance projects in this area. With more than 20 years of experience in software development for many different industries, I can quickly adapt to new technologies, languages, frameworks, API's and concepts. I'm able to/can be hired for:

- Managing a project or work under direction of a project manager.
- Work standalone or in team.
- Work from my personal office or on location (triangle Antwerp – Brussels – Ghent).
- Work on short-term international projects (on location).
- Complete project contracts or paid by hour/day.

## Experience

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(in reversed chronological order)

### Different Bits Joint Venture – California, Ohio, USA – Bornem, Belgium

2009 to present

- <http://www.differentbits.com>
- <http://www.chalkinchimp.com>

Development of entertainment software for iPhone, iPod Touch, iPad and Mac OSX. Currently "Chalkin' Chimp", "Spins" and "Spins Life" have been accepted in the AppStore, "Zapps" is in its finalizing state and several other applications are in various forms of completion.

### Freelance ICT Consultant & Developer

2001 to present

The projects mentioned below only represent the most important ones out of a more comprehensive list.

- Hydris.NET - Heraeus Electro-Nite N.V. - Houthalen, Belgium  
Complex measurement instrument used for data acquisition, analysis and presentation of quality-control measurements of liquid/molten steel.
- Meltcontrol.NET - Heraeus Electro-Nite N.V. - Houthalen, Belgium  
Framework for the development of data acquisition, analysis and presentation software, management of in-house developed instruments used for quality control of liquid/molten steel. 3-Tier, distributed MVC en web/.NET frontend.

# Curriculum Vitae

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- TimeTr@cs - PIMC N.V. - Diepenbeek, Belgium  
Reservation & control system for publicly accessible computers in libraries and cybercafés. Currently used in the libraries of Antwerp, Mechelen, Hasselt, Bruges, Turnhout...
- S@feBrowser - PIMC N.V. - Diepenbeek, Belgium  
Kiosk application and security system for standalone computers for use on public locations.
- Mount Rainier Validation Suite - Philips N.V. - Eindhoven, Netherlands  
Hardware validation suite for Mount Rainier CD/DVD drives. Used by all drive-vendors for specification of drives and media. Used by several computer magazines for comparison tests (PC magazine, C'T). Derived project: tool for the Dutch cyber-crime investigation team, used for tracing origins of illegally copied CD's en DVD's.
- Message Delivery System - Xi N.V., PIMC N.V. - Diepenbeek, Belgium  
Hierarchical real time messaging system for 14,000 users; client/server software.
- INCA - Philips N.V., PIMC N.V. - Hasselt, Belgium  
Feasibility study, subsidized by the European Communion. A multi-purpose audiovisual network for consumers, based on IEEE 1394 (Fire wire); development of hardware and software. Bridging of IEEE 1394 to Ethernet TCP/IP. Broadcasting of HQ video over Ethernet networks, client/server software.

## Professional Interactive Media Centre N.V. - Diepenbeek, Belgium

2000 to 2001

- 6 months - Project manager and developer of several projects in C/C++ and Delphi (Visual Studio, C++Builder, Delphi).

## Siemens Building Technologies N.V. - Anderlecht, Belgium

1991 to 2000

- 2 years - System administrator, MS Exchange administrator, MS SQL administrator. Completed several internal projects: intranet; MS SQL; MS Access; VB; C/C++; Delphi.
- 3 years - Security expert. Setup and installation of large security related projects (Nuclear power plant Doel, National Bank of Belgium,). Responsible for the technical standardization check of security equipment in Belgium. Technical coach.
- 2 years - Senior field engineer security equipment. Installation/programming/maintenance of fire, gas and intrusion detection equipment. Technical coach.
- 2 years - Junior field engineer security equipment. Installation/programming/maintenance of fire, gas and intrusion detection equipment.

## Denayer N.V. - Willebroek, Belgium

1991

- 6 months - Measurement & process control.