

Curriculum Vitae

Francesco Formenti

- Born in Rho (MI), July 10th 1974
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Technical skills

- Programming languages: C, C++, Shell script (BASH), SQL, PL/pgSQL, Visual Basic.
- Software libraries: ACE, openssl, libpq (interface to PostgreSQL), libxml2, SDL, OpenGL.
- Integrated development environments (IDEs): Eclipse (C/C++); Visual Studio (Visual C++, VB).
- Versioning tools: CVS, Visual Source Safe.
- Networking: knowledge of LAN architectures in Linux and Windows environments and of most important network components, such as hub, router, firewall, etc.; protocols and services on TCP/IP networks, such as HTTP, FTP, Telnet, SSH, SMTP, etc.
- Operating systems: Linux (Debian, Slackware, Suse, RedHat distributions) and Windows.
- Frameworks: Notes / Domino; development of Lotus Notes applications, for both Notes client and the web. Broadvision; development of applications for Broadvision 6.0 platform, in java and javascript. MFC (Microsoft Foundation Class library).

Education

- 1993: "Maturità scientifica", mark 56/60.
- 2000: "Laurea" in Telecommunication Engineering, Politecnico di Milano, mark 83/100. Graduation thesis: Software tool for analysis, recognition and classification of images taken by carbonate rocks samples.
- 2001-2002: Professional trainings: Lotus Notes base development (3 days), Lotus Notes security and workflow (3 days), Broadvision development (3 days).

Foreign languages

- **Italian:** native speaker.
- **English:** excellent written, good spoken. "English on-line" course at Upper Intermediate level, British Council, Milan, mark 88%. 2001: TOEIC, proficiency level 3,5 - High advanced. Used every day at work.
- **French:** excellent written / spoken. Studied for 7 years at school. Stages: Thonon-les-Bains for 3 weeks in 1988, Toulon for 2 weeks in 1995. Passed CELF in 1995.
- **Japanese:** beginner knowledge. Self study for personal interest. Touristic stays in Japan.

Professional employment history

- February 2004 - Present: C/C++ developer at TVBLOB S.r.l. (software house), promoted team leader of "Backend Server" group in October 2005. Main works:
 - Porting of network applications written in C from Linux (Debian) to Windows.
 - Analysis, architectural design, implementation (C++ language, PostgreSQL database) of Backend Server for TVBLOB videocommunication system.
 - Leading of "Backend Server" project and release management of the software.

- April 2004 - Present: design and implementation of "ProspectV", a visualization tool, in collaboration with MRU (information technology).
- April 2001 - January 2004: employee at Andersen MBA (consultant firm), information technology department, as Analyst. Promoted Consultant in September 2002. Main works:
 - Lotus Notes developments: intranet, web-based application for Private Banking (customer: Intesa Asset Management); application for management of ISO9000 certification documentation (internal project).
 - Broadvision 6.0 development: public and private areas of www.nextrasgr.com website and of intranet; development of www.beta1.com website (customer: Nexra SGR).
 - Collection of specifications and technical design of an analytic CRM system (customer: Honyvem, Brescia).
- October 2000 - March 2001: employee at Exse S.r.l. (internet services, web hosting) as system engineer and developer. Main works:
 - Network configuration; setup of packet filtering firewall on a SuSE Linux box.
 - Various activities concerning networking: security issues, line backup via ISDN, DNS setup on Windows 2000, web and mail server management.
 - Implementation of an e-commerce platform for dental professionals, based on Windows 2000 Server (database SQL server, business logic written in Visual Basic and front-end in ASP).
- May 2000 - September 2000: projects about signal processing at Politecnico di Milano:
 - Upgrade of image analysis software developed for thesis; added image filters, image analysis automation, data export, upgrade of user interface (customer: Eni S.p.A. - Agip).
 - Porting of an application for synthetic sound generation from Linux to Windows.

Interests

- Analysis and solution of problems related to architectural design and programming of network applications, computer games, computer graphics applications, preferably written in C/C++.
- Arguments related to computer networks and communication protocols.