

Jean-Baptiste Kempf

Software Engineer & Team Leader

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📅 30th march 1983

Education

- 2003–2006 **Ingénieur Généraliste**, *École Centrale*, Computer Science and Telecommunications – *Information System Management, Logistics*.
École Centrale Paris is a very prestigious and selective French graduate-level general engineering school (“Grande École”), admitting each year students in the top 1000 in Sciences of France, and leading to an equivalent of a Master of Sciences
- 2005–2006 **Master in Advanced Computer Science**, *Paris-Sud University*, Orsay, Paris XI.
Master Recherche: Processors architecture, distributed systems, high-performance computation
- 2001–2003 **Intensive scientific preparation**, *Janson de Sailly School*, Paris.
Preparation for the highly competitive national entrance to the French “Grandes Écoles”

Professional Experience

Software IPTV Industry

- 2009–2010 **R&D Director**, *Fair Play Interactive*, IPTV Start-up, Paris.
Design of a complete middleware solution for creation of *Personalized Unicast TV Channels*: technology selection, coding decisions and solution architecture design
Developer team direction, and technical development
- 2008–2010 **IT Consultant and startups technical advisor**, France.
Technical consulting on IT architectures, audio and video streaming aimed at small startups

Scientific Advisor

- 2007–2008 **Scientific Advisor Deputy**, *French Consulate*, San Francisco, California, USA.
France-USA scientific and technology cooperation, Technical consulting, Start-ups development, Technology watching and prospecting and IT administration

Long-term Internships

- Jan.–Aug. 2007 **Engineer Intern**, *STMicroelectronics*, Grenoble, France.
Specifications Assistant Product LifeCycle Management ERP specifications, auto-generated XML interfaces for Rich-Client applications development and Document/Content management application *selection*
Design of microchips modules using High Level Synthesis (HLS)
- May–Oct. 2006 **Research intern**, *CEA-DAM (French DoE)*, Paris Region, France.
Work in a Research lab of the *CEA*, that had Europe's biggest supercomputer at that time
Research paper: “Data Structures and Performances for Itanium 2 Clusters and on the use of low-voltage vectorial co-processors for High-Performance Computing”

Summer 2004 **Summer Intern**, *Dassault Systèmes K.K.*, Tokyo, Japan.
"Audit of The Education Portal Sales" and computer administration

Extra-Professional Experience

Open Source Enthusiast

2008–2010 **Head**, *VideoLAN non-profit*.

Chairman of the **VideoLAN** non-profit organization and executive officer
Webmaster of *videolan.org* (PageRank: 8, Unique Visitors: 7.2 Million per month), Administrator of VideoLAN's machines, Projects leader and Public Relations officer. Google Summer of Code administrator and students mentor for 4 years
Creator of the legal structure for the non-profit organization

2007–2010 **VLC Developer**, *VideoLAN*, VLC media player.

Lead developer, Interface, 3rd party library integration and Windows port maintainer of the popular open-source cross-platform multimedia framework and player *VLC*
9 million downloads per month

Campus Associations

2004–2006 **Vice-President and administrator**, *Campus Network*, *École Centrale Paris*.

Technical supervisor, project and team leader and responsible for firms partnerships
The network enclosed 1300 student members machines, 30 servers and 80 switches with a budget of 80 000 € per year

2005–2006 **Administrator**, "*Residential Organization*", organizing all campus activities.

2004–2005 **Project Manager and Technical lead**, *École Centrale Paris*, 2nd year project.

Designed and installed a Wireless Network with 65 access points for the coverage of the whole campus, 8 months work with a small team, total budget 60 000 €

2003–2005 **Technical staff**, *Centrale Paris*, 2004 and 2005 Proms organization.

Languages

English **Fluent**
Italian **Fluent**
Japanese **Beginner**

Computer Skills

Programming	C, C++, Qt, C#	Web	HTML, SQL, Javascript, XML
Scripting	Php, Python, Shell	Networks	OSI layers, routers administration
Systems	Linux, Unix, Windows Servers, OS X	Misc	Fortran, Java, x86 and IA-64 ASM

Leisure and Hobbies

Sports Sailing (competitions), Rollerskating, Skiing and Acrobatic Rock'n Roll Dancing
Music Clarinet and Orchestra studies at "Maurice Ravel" Conservatory in Paris, 1991-1998