Jean-Baptiste Kempf

Software Engineer & Team Leader

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30 March 1983

Education

2003–2006	**Ingénieur Généraliste**, *École Centrale*, Computer Science and Telecommunications – Minors in *Information System Management* and *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

2009–2011	**CTO**, *Fair Play Interactive*, IPTV Start-up, Paris.

- Design of a complete middleware solution for creation of *Personalized Unicast TV Channels*: technology selection, code 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 and open source

Scientific Advisor

2007–2008	**Scientific Advisor Deputy**, *French Consulate*, San Francisco, California, USA.

France-USA scientific and technology cooperation, Technical and development consulting for Start-ups, Technology watching and prospecting and IT administration

Long-term Internships

Jan.–Aug. 2007	**Engineer Intern**, *STMicroelectronics*, Grenoble, France.

- **Specification** of a Product LifeCycle Management ERP, *selection* of Content management application and development of XML interfaces for Rich Applications
- **Design** of microchip 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"

Extra-Professional Experience

Open Source Enthusiast

2008–2011 **President and executive officer**, *VideoLAN non-profit organization*.
- Projects leader and coordinator, Community and Public Relations officer
- Creator of the legal structure for the non-profit organization
- Google Summer of Code administrator and students mentor for 4 years
- Webmaster of *videolan.org* (PageRank: 8, Unique Visitors: 7.2 Million per month)
- System administrator of VideoLAN's servers

2006–2011 **VLC Lead Developer**, *VideoLAN*, VLC media player.
Popular open-source cross-platform multimedia framework and player
- Interfaces, video formats and codecs, bindings, 3rd party library integration
- VLC 1.0 and 1.1 releases manager
- Windows ports maintainer

Campus Associations

2004–2006 **Vice-President and administrator**, *Campus Network*, École Centrale Paris.
Technical supervisor, project leader and responsible for firms partnerships. The network enclosed 1300 student members machines, 30 servers and 80 switches with a budget of 80 000 € /year

2005–2006 **Administrator**, *"Residential Organization"*, organizing many 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

French	Mother tongue	Italian	Fluent
English	Fluent	Japanese	Beginner

Computer Skills

Programming	C, C++, Qt	Web	HTML/CSS, SQL, JavaScript
Scripting	PHP, Python, Shell, Lua	Networks	OSI layers, routers administration
Systems	Linux, Unix, Windows Servers, OS X	Misc	Fortran, Java, C#, x86 ASM, Obj-C

Leisure and Hobbies

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