

# Kévin Raymond

## Curriculum Vitæ

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26 years old  
Driving license  
French

*Always seeking for new technologies and improvement,  
FOSS advocate*

### Experiences

#### Free and Open Source

Fedora Project **Ambassador (EMEA mentor)**: Community management, events coordinator, swag logistics. . .  
**Localization**: French team **coordinator**. Deeply involved.  
**Websites coordinator**: I18n, workflow improvement, QA, sysadmin.  
Member of the French NPO **Borsalinux-fr committee** since February 2011.  
Wrote articles for Muffin, the French Fedora Magazine.  
Projects wide contributions.

One Laptop Per Child Sharing scripting skills.

Per Child Writing backup and data analysis tools.

Translations (report, software).

Implied in the Nosy Komba (Madagascar) OLPC deployment: server administration, development of the local infrastructure, training teachers. Managing the School Server.

Organizing the SugarCamp #2 (3 days in Paris, Sept 2011).

Miscellaneous Lualibusb, Pinguino (Makefiles, packaging)

Subsurface dive log project (I18n, L10n, Makefile)

XiVO: kickstart install (teaching room needs), RPMs packaging

libcaenrfid RPM

#### Shadow contributions

Embedded Patching STLlinux (build and install tree)

Systems Several Home Automation projects (OSGi, KNX. . .)

Zigbee integration, Android (compilation, integration, ARM, MIPS)

Setting several cross compilation toolchains for ARM, MIPS and other architectures.

Projects with the NAO Robot: face recognition using OpenCV, word processing and word prediction.

Automotive applications using OBDii diagnostic port and CAN communications.

Simulation, test.

Real Time Fast electric train management using QNX operating system.

Systems Several Electronic projects.

### Computer skills

Programming languages C, C++, Python, MySQL  
HTML5, CSS 3, PHP, SQL, Web Services  
BASH, L<sup>A</sup>T<sub>E</sub>X  
Concurrent programming

GNU/Linux Autotools, GDB, Valgrind, QEMU  
drivers, kernel customization

Collaborative tools UML design  
Git, Subversion, Gitolite  
Wiki, Trac, Bugzilla, Redmine

Miscellaneous RPM packaging  
Kickstart install

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## Work History

- 2012 – 2013 **Hardware Quality Engineer**, *Avencall*.  
Writing and running test cases. Validating hardware and software. Designing electronic circuits, routing. Preproduction development. Tracking factory. Designing test bench. CE certification management (passed).  
10 layers mother board with Intel processor and MSP430.  
Open Hardware and Open software. <http://git.xivo.fr/?s=xioh>
- Nov. 2012 **Embedded GNU/Linux teacher**, *Telecom SudParis*.  
Teaching Embedded Linux to Master degree. Formal class and tutorials (with Beagleboard – ARM).  
Choosing and setting a development toolchain, customizing Kernel and drivers (static, dynamic).
- 2011 – 2012 **Research engineer**, *Telecom SudParis*.  
Dynamic Control of Heterogeneous devices in the Internet of Things Network, preventing conflicts. Involving RFID readers, actuators and sensors. Language: C++.
- 2008 – 2011 **Embedded Systems Design Engineer**, *Bouygues Telecom, French ISP & Mobile operator*.  
Research and Development department. Foreward study, project management, innovating services design, Software/OS integration, benchmark, POC.  
Libraries integration, GNU/Linux, busybox and file system customization, cross development for MIPS, ARM.  
GNU/Linux servers and workstations administration.
- April – June 2007 **HND Electronic internship**, *CERN, the European Organization for Nuclear Research*.  
Embedded Hardware Design – Open Source tools study, High temperature sensor data transmission.
- July 2005 **Assistant administrator, talks supervisor**, *CERN, Geneva*.

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## Education & Qualifications

- 2008 – 2011 **Master's Degree in Engineering**, *École Centrale d'Électronique*, ECE Paris,  
Embedded Systems Engineer. Dual education system.  
One semester at *Concordia University*, Montréal – Real Time Systems & Embedded Design.  
Summer Program at *University of California*, Irvine – Management skills.
- 2007 – 2008 **Bachelor of Electrical and Electronics Engineering**, *Heriot-Watt University*, Edinburgh (Scotland)  
**International Degree in Sciences Management**, *Institut de Management de l'Université de Savoie*,  
Annecy, FRANCE.
- 2005 – 2007 **Higher National Diploma in Electrical Engineering and Industrial Computing**, *Université de Savoie*,  
Annecy, FRANCE, Electronics and Signal analysis.
- June 2005 **A-levels in Sciences**, Évian, FRANCE, Mechanical and Electronics specialization, sport option.
- February 2004 **BAFA**, youth supervision certificate.
- March 2002 **First aid certificate**.

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## Communicating languages

- French **native language**
- English **fluent** *TOEIC #860, TOEFL ITP #563. Fluency gained while studying in Edinburgh, Montreal Los Angeles.  
Daily speaking with the Fedora community*
- Spanish **reading**

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## Additional

- Hobbies sports (ski, speed riding, sailing, biking, climbing. . .), reading (Fantasy, Science fiction), strategic games,  
electronics projects. Open Source contributions (15 to 35h per week)

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## References

Available on request