Benoît Ganne

IT engineer, embedded and networking R&D

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Experience

2013– **Research engineer**, *Kalray*, France.
Solutions definition and implementation of software solutions for high performance on Kalray MPPA manycore processors.

2008–2013 **Research engineer**, *QOSMOS*, France.
Solutions definition and implementation of high-performance DPI softwares and appliances on **Linux and network-processors** based platforms.

2006–2008 **Research engineer**, *Motorola Edge Mobile Networking Lab*, France.
Participation to internals, french and europeans **research projects** about network and transport layers in the **mobile networking** field.
Solutions definition, architecture, prototyping, evaluation and tests on **embedded Linux platforms**.

2006 **Training**, *Motorola Edge Mobile Networking Lab*, France.
Development and tests of **mobile IP solutions**, over **various network access technologies**, like Ethernet, Wifi, GPRS or Bluetooth. Port and tests of these solutions on **embedded Linux platforms**.

2005 **Training**, *Motorola Edge Mobile Networking Lab*, France.
Development and tests of **TCP/IPv6 performance optimization algorithms**, for **mobile environments** under GNU/Linux (**kernelspace** and **userspace**).

IT skills

Programming languages C, Python, C++, Java

Networking Application level: SIP, HTTP...
Networking level: GTP, TCP, UDP, IP (v4/v6), ICMP (v4/v6), Mobile IP (v4/v6), IP multicast (v4/v6), on Ethernet, Wifi, cellular or Bluetooth...

Embedded systems Vendors SDK, OpenWrt, OpenEmbedded, Symbian

Operating systems GNU/Linux, *BSD, Solaris, Windows

Academic achievements

2004–2006 **IT engineering specialized degree**, *Ecole des Mines d'Alès' EERIE institute*, France.

2001–2004 **Generalist engineering degree**, *Ecole des Mines d'Albi-Carmaux*, France.

English **fluent**, *IELTS: 7/9, TOEIC: 910/990*

French **mother tongue**

Hobbies and interests

Non-profit and free software Member of the non-profit network operator French Data Network (http://www.fdn.fr/).
Occasional participation to various free software projects such as OpenWrt (http://openwrt.org/).
Personal free software projects available at http://www.benou.fr/~ben/.

Reading Newspapers, Fantasy, SF and scientific and computing books and magazines.

Sport Roller, Wii.