

Romain Bignon

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Born on 13th August 1988
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Developer

Experience

Avencall (C) 2009–Now
Developments on the Asterisk PABX.

EdenWall Technologies (Python, C) 2007–2009
Developer of the identifying firewall [EdenWall](#).
— Conception and implementation, then maintener, of [NuLog 2](#), a free software of [Netfilter](#) and [NuFW](#) log analysis, written in *Python* using the *Twisted* and *Nevow* frameworks.
The software goal is the network traffic analysis, detection of irregular usage, and display of statistics, or generation of PDF reports.
— Conception and implementation of [NuLog 3](#), written in *Python* using the *Twisted* and *PyQt* frameworks.
— Conception and implementation of the centralised administration tool to manage several firewalls.
— Development on the other components of the [EdenWall](#) project.
— Contributions to the [NuFW](#) et [Ulogd 2](#) projects.
— Most of the above projects are packaged into every [GNU/Linux](#) distribution.

Minbif (C++, libpurple) 2009–2010
IRC gateway to more than fifteen instant messaging networks, which supports file transfers or the webcam display in ASCII art, among others.
Execution of a libpurple plugin to support the [linuxfr.org board](#).
— Main developer
— 14,000 lines of code
— GPLv2 License
— Packaged into Debian, Ubuntu, Archlinux, Gentoo

Music Player Daemon (C) 2009
Contributor of the free software [MPD](#), [MPC](#), [libmpdclient](#) and [ncmpc](#).
These subprojects of the [Music Player Daemon](#) project represent more than twenty developers, and more than 50,000 lines of code.

Peerfuse (C++, Fuse) 2008–2009
A distributed peer-to-peer filesystem free software, which answers to performances, redundancy and security issues. — Co-author
— 13,000 lines of code
— GPLv2 License

Men Are Ants (C, C++, SDL) 2005–2007
Strategic game in 2D, where all players fight for territories with several kind of units.
— Main developer
— 30,000 lines of code
— GPLv2 License

RDL (C++, PHP, Oracle) 2005–2007
Execution of a web interface for the **Rhapsodie** music school management software, which allows students and teachers to interact with their data.
This software is composed with a C++ backend, and a PHP web frontend.

SCoderZ (C) 2001–2005
As part of the **IRCube** IRC network, development of the **SCoderZ** software, which is an IRC services suite to manage user accounts and channels.
— Co-author
— 12,000 lines of code
— GPLv2 License

Skills

Programming: - Good level: C (9 years experience), C++ (5 years), Python (2 years), PHP
- Some knowledge: Pascal, Java, Javascript, D
- Libraries: STL, Qt, PyQt, SDL, Glib, Fuse, Twisted, Nevow, Mechanize
- Tools: vim, GCC, GDB, Valgrind, git, Subversion, CVS, Buildbot

Operating systems: - GNU/Linux (Debian)
- Some knowledge: OpenBSD, Gentoo, Windows, Mac OS X

Networks: - Cisco, IOS
- IP, TCP
- IRC, HTTP, FTP, POP, SMTP

Administration: - Netfilter, NuFW, BIND, OpenVPN
- Apache, OpenSSH, Subversion, Postfix

Other: - Databases: MySQL, PostgreSQL, Oracle
- Markup languages: HTML, XHTML, CSS, ReST
- Keymap: fr-dvorak-bépo
- Self-learning and adaptation skills

Publication

“Peerfuse, système de fichier distribué pair-à-pair” in RMLL (July, 2008).

“Principes et structure des réseaux IRC” in GNU/Linux Magazine France (February, 2007).

Languages

French	Mother tongue
English	Read and write