

Romain Bignon

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Developer

Experience

Avencall (C) 2009–Now
Developments on the Asterisk PABX and chan-sccp-b (support of CISCO phones) for the free telephony application XiVO.

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.

Weboob (Python) 2010
Console and graphical applications which interact with websites.
[Weboob](#) is a framework which provides a core library, several modules for each supported website, and several applications which call transparently the modules with wanted features.
— Main developer
— 8,000 lines of code
— 13 modules for video, bank, bittorrent, travels, newspapers, etc. websites
— 17 applications
— GPLv3 License

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
— 15,000 lines of code
— GPLv2 License
— Packaged into Debian, Ubuntu, Archlinux, Gentoo

Music Player Daemon (C) 2009–2010
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 (3 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: - Used every day: Debian GNU/Linux, Gentoo
 - Some knowledge: OpenBSD
- 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

- “Weboob, the web suppository” in LSM(RMLL) (July, 2010).
 “Minbif — An IRC gateway to the modern world” in LSM(RMLL) (July, 2010).
 “Peerfuse, peer-to-peer distributed filesystem” in LSM(RMLL) (July, 2008).
 “Principes et structure des réseaux IRC” in GNU/Linux Magazine France (February, 2007).

Languages

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| French | Mother tongue |
| English | Read and write |