

Romain Bignon

Born on 13th August 1988
French nationality

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Entrepreneur

Professional Experience

Budget Insight (CTO) *Paris* 2011 – 2013

Co-founder of this enterprise which provides a web application to centralize and manage bank accounts, with advanced features like automatic categorization, budgets composition, balance preemption, statistics visualization, etc.

- Responsible of the development team.
- Design systems.
- Manage technical infrastructure and security.

Avencall (C) *Paris* 2009 – 2011

Developments on the [Asterisk](#) free PABX for the free telephony appliance XiVO.

- Moderation features in conference rooms.
- Design and implementation skills routing in call queues.
- Joined the `chan_sccp-b` team, a third Asterisk module to support CISCO phones.
- Administration of the internal infrastructure of the enterprise.
- Administration of Asterisk servers at customers.

INL (Python, C) *Paris* 2007 – 2009

Developer of the identifying firewall [EdenWall](#).

- Conception and implementation, then maintainer, 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 *Twisted* and *PyQt*.
- Conception and implementation of the centralised administration tool to manage several firewalls.
- Contributions to [NuFW](#) and [Ulogd 2](#) projects.

Free Softwares

Weboob (Python) 2010 – 2013

Console and graphical applications which interact with websites.

[Weboob](#) is a framework which provides a core library, modules for each supported website, and several applications which transparently call modules with wanted features.

- Main developer and manager
- 120+ modules for video, bank, bittorrent, travels, newspapers, content, bugtrackers, etc. websites
- 60+ contributors
- 60,000 lines of code under the AGPLv3+ license
- Included into Debian, Gentoo, Arch Linux, Mandriva, ...

Assnet (Python) 2011 – 2013

The [Asocial Sharing Network](#) project is a free web application useful for sharing files (with support for photos galleries, videos, etc.) or organizing events with your friends, proving an alternative to Facebook or other centralized social networks.

- Minbif (C++, libpurple)** 2009–2011
 IRC gateway to more than fifteen instant messaging networks, which supports file transfers or webcam display in ASCII art, among others.
 — Main developer
 — 15,000 lines of code under the GPLv2 license
 — Included into Debian, Ubuntu, Arch Linux, Gentoo, FreeBSD, OpenBSD, ...
- Music Player Daemon (C)** 2009–2010
 Contributor of the free softwares 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 file-system free software, which addresses to performances, redundancy and security issues.
 — 13,000 lines of code under the GPLv2 license
- Men Are Ants (C, C++, SDL)** 2005–2008
 Strategic game in 2D, where players fight for territories with several kind of units.
 — 30,000 lines of code under the GPLv2 license
- SCoderZ (C)** 2001–2005
 As part of the IRCube Internet Relay Chat network, wrote **SCoderZ**, an IRC services suite to manage user accounts and channels.
 — 12,000 lines of code under the GPLv2 license

Skills

- Operating systems: - Debian GNU/Linux (administrating several servers)
 - Knowledge: Gentoo, OpenBSD, Android
- Network: - IP, TCP, UDP
 - IRC, HTTP, FTP, DNS, DHCP, POP, SMTP
- Administration : - Network: Netfilter, NuFW, BIND, OpenVPN
 - Application: Apache, Postfix, Dovecot, Redmine, GitoSis, mailman, Prosody
 - Virtualization : KVM, libvirt
 - Backups: dar, duplicity
 - Databases: MySQL, PostgreSQL, Oracle
- Programmation : - High level: C (10 years experience), C++ (7 years), Python (6 years)
 - Good knowledge: Bash, PHP, Javascript, Perl, Java, Pascal
 - Libraries: STL, Qt, PyQt, SDL, Glib, Fuse, Twisted, Django, Android
 - Tools: vim, GCC, GDB, Valgrind, git, Subversion, CVS, Buildbot
 - Markup languages: HTML, XHTML, CSS, ReST

Publication

- “French banks sequester your data” in LSM(RMLL) (July, 2013).
 “Weboob — a sane web client” in LSM(RMLL) (July, 2012).
 “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 | Fluent |