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Languages: French, English

Professional Experience

commonIT

R&D Engineer

Since September 2009

Work on the “Virtual Browser” client and server. Virtual Browser is a web browser that is not executed on the user's end-point device (PC, laptop, PDA, or other) but on a dedicated virtual server. **Operating system-level virtualization, authentication** modules (Kerberos, PKCS11, etc.), remote display technology optimization, port to **mobile platforms** (iOS, Maemo), network and system daemons, packaging, Q&A...

Google / QEMU

Summer of Code 2010

Summer 2010

Added new encodings to the **QEMU's** built-in VNC server to reduce the bandwidth required by VNC. Also wrote **an adaptive encoding algorithm** to switch between lossless and lossy encodings when video streams are detected. Another side of the project was **parallelize** the vnc server in order to avoid blocking guest while using heavy encodings

Freelance

2008

System and network administrator for “Epiweb” student club. Administration and migration of Linux servers. Designed **high load** websites with PHP and PostgreSQL.

Adeneo

Internship

May – August 2007

Designed and implemented a Nand Flash **filesystem** for Linux. Wrote **Linux** and **Windows** CE drivers

UCBL

Tutor

2006 – 2007

Worked as a computer science tutor for the “Université Claude Bernard”. Provided help to Bachelor and Master students.

Extra-Professional

Linux

Maintainer

since 2006

Maintain **Linux** device drivers from acpi4asus project. The project goal is to allow owners of Asus laptops to use all the functionalities of their computers such as special keys, special LEDs, brightness control, ... Created **EeePC's** drivers in colarboration with **Asus**.

Zordania

2003 – 2008

Designed and created Zordania, a browser based role playing game in a medieval fantastic universe. Development is done by the community since 2008 and the code base was forked as a new project named Kalteria.

Education

Master in Computer Science, **EPITECH**.

2007 - 2010

Bachelor in Computer Science, **Université Claude Bernard Lyon 1**.

2004-2007

“Baccalauréat” Engineer Science option and Physics specialty.

2004

Skills

Certification, Awards

Won **Prologin** algorithmic contest in 2006 and was second in 2007.

CISCO Certification (CCNA 1 et 2).

Qt Ambassador (made mobile applications for Meego, Maemo and Symbian).

Won contests sponsored by Nokia and Intel with the bike sharing application LugduloV.

Operating Systems

Use GNU/Linux since more than 5 years. Multiple contributions to the kernel and to various distributions.

Microsoft Windows (98, 2000, XP, Vista, 2003).

Embedded/Mobile OS: Microsoft Windows CE, iOS, Android, Meego, Maemo.



System and Network Administration

Know how to use and administrate traditional network services like : Samba, NFS, Apache, Lighttpd, Maradns, Bind, OpenSSH, vsftpd, PostgreSQL, MySQL, Postfix, courier, etc...

IPv4 and **IPv6** networks, **firewalls** using iptables.



Programming Languages

Deep knowledge: **C** (89/99), **C++**, **Python**, Scheme, shell

Web oriented languages: PHP, HTML, CSS, Javascript, SQL.

Already used: Java, Perl, Ruby, ASM x86/x86_64.

Know how to write multi-platform software.

Debug utilities: gdb, valgrind.

Also use static code analysis and automatic code transformations tools.

Libraries and SDKs

SDL, allegro, OpenGL, Win32, Qt, wxWidget, STL, boost.

Office, Multimedia

OpenOffice, Koffice, Microsoft Office, LaTeX.

The Gimp, Adobe Photoshop, Macromedia Flash, Adobe Première.

Project management

Use project management software (trac, redmine, bugzilla) and version control systems (cvs, svn, git, mercurial) on a daily basis.

Free software contributor: know how to work with a free software project.

Also know legal implications of using free software in a commercial product (what you can and cannot do).



Misc

- Sports : Rock climbing, Bike, Roller Hockey
- Hobbies: Photography, Cinema, Music, Books
- International: lived 4 years in Mayotte and 6 years in Madagascar