

RENAUD GUÉRIN
PARIS, France
Email : cv@renaudguerin.net

Internet Systems & Networks Engineer

Strong Linux / Open Source / Internet technologies skills. Native French, fluent English (TOEIC: 990/990)

Currently employed

EDUCATION

2002 Graduate from the University of Technology of Troyes (UTT), France:

- **"Ingénieur" (BSc) in Information Systems Engineering.**
- **"DEA" (MSc, with honors) in Advanced Knowledge Networks and Organizations** (focused on network QoS)

1999 **"DUT Informatique"** (2 year CS degree) at University of Reims, France. Specialized in Digital image processing. Best student in 1st year.

WORK EXPERIENCE

Since March 2004 **Linux Systems Engineer at Wanadoo France (France Telecom)**

System administrator for Wanadoo (#1 ISP in France) on their leading web hosting platform : day to day operation, systems configuration, security & performance tuning, reporting & monitoring, architecture design & sizing according to users' needs.

Sept. to Dec. 2003 **Linux & TCP/IP instructor at Pythagore FD**

Took charge of Linux, TCP/IP, and Internet security training sessions (beginner to expert level) for audiences of experienced UNIX system administrators. Taught courses, developed practical case studies suited to customers' environments.

Jan. to May 2003 **R&D Software Engineer at Free**

Developer in the embedded software team of the Freebox project (ADSL set-top box for France's #2 ISP Free.fr, and related network equipment). Developed and optimized key parts of the embedded Linux distribution.

Early 2000 to mid-2002 **Linux System Administrator at UTT**

Alongside my studies, launched the UTT student web server project (web hosting and online services for 1500+ users). Designed, set up and managed the infrastructure (Linux / Apache / MySQL / PHP / Samba / NIS). Managed user accounts, security, performance, and eventually trained my successors.

Feb. to Aug. 2002 **IP/QoS Network research engineer (M.Sc internship) at INRIA**

Took part in the INTRADIFF research project within the PLANETE group, in cooperation with 6Wind, Cegetel, and ENST. Evaluated the DiffServ framework for IP QoS (CBQ,WRR,RED,RIO algorithms...), its issues and suitability for deployment in a carrier-scale IP network. Extended the Diffserv module in the ns network simulator. Gained insight with working in a research team with industrial partners.

Sept. 2000 to Feb. 2001 **Linux software engineer (B.Sc internship) at Alcôve**

Developed and put into production a system for automated installation and centralized setup of Debian GNU/Linux workstations. This required strong C, Shell, Linux system administration knowledge. The work also involved interaction with users, Debian developers, and working within the IT team at Alcôve.

Apr. to June 1999 **Internet/Intranet developer (internship) at Hexanet**

Developed a MySQL/PHP based customer management application. Investigated IP firewalling

and bandwidth management solutions on the FreeBSD OS.

June to Aug.
1998

Consultant for Plastic System International

Designed, developed and put into production a Web-based application linked to a customers and products database. This gave me the opportunity to interact and consult in a non-specialist environment.

SKILLS

- **Excellent command of Linux/Unix systems, Internet & Open Source technologies :**
 - **Internet user since 1994, Linux user since 1996** : very familiar with the culture and inner workings of the Open Source and technical Internet communities.
 - Working knowledge of various Linux distributions (Debian, Red Hat, Mandrake, Gentoo, Slackware, custom-made...)
 - Familiar with most IP network services and corresponding server software (PPP, SMB/CIFS, NFS, SSH, DNS, Mail (SMTP/POP/IMAP), HTTP, FTP, Proxies...), open source database servers (MySQL, PostgreSQL) and firewalls (iptables, ipfw).
 - Good Linux system development skills (system APIs, kernel, X11...), and knowledge of common scripting languages (Shell, Perl, PHP ...)
 - User knowledge of various other Unices such as HP-UX, Solaris, Tru64/Digital Unix, FreeBSD, Darwin.
- Familiar with **Microsoft** (Windows XP/200x/NT/9x/3.1, MS-DOS) and **Apple** (Mac OS X) systems.
- Good theoretical and practical knowledge of **IP & LAN technologies**: TCP tuning, IP addressing, Ethernet, QoS, VLANs, security, etc.
- Good knowledge of **WAN/telecom networks** : ATM, xDSL, VoIP, ISDN, POTS

- **Development:**
 - **Languages**: C, C++, Java, SQL, PHP, XML, Shell, Perl, Python, x86 assembler...
 - **Tools** : GNU suite (gcc, make...), CVS, BitKeeper ...

- Notions in **digital image processing & synthesis**, strong knowledge of **computer-based audio & musical applications**
- **Broad culture and interest in various domains of technology, curiosity and ability to keep up with changing trends.**

MISCELLANEOUS

- Languages :
 - **French**: native speaker
 - **English** : fluent. TOEIC (jul. 2003) : 990 (maximum score). Cambridge FCE: Grade A (maximum score).
Several trips to the USA, UK and elsewhere, strong interest for international contexts.
 - **German** : basic

 - Hobbies : Computer-based music production and studio techniques, musical instruments (synthesizers, guitars). Travel, humanities.
 - Driver's license, first aid diploma.
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