

SENIOR SOFTWARE DEVELOPER AND LINUX SYSTEM ADMINISTRATOR

PROFILE

I am a passionate technologist and open source specialist with outstanding organizational and trouble-shooting skills.

I have over 5 years of experience working in private, public and educational organizations, both large and small.

Keys areas of my experience include building software and hardware solutions, writing technical specifications and documentations, leading teams of developers, managing releases, live deployment and migrations.

I have built very high traffic websites, administered mission critical servers and firewalls, created custom embedded Linux distributions and developed real time softwares and device drivers.

HIGHLIGHTS OF SKILLS AND QUALIFICATIONS

Strong Design and Coding Skills

- In depth-knowledge of Python, Java, and C languages; taught Java and C at the university level.
- OOP, UML, Design patterns, Test driven development, Version Control Systems (Subversion and git)
- Web development using XML, SQL, PHP, Python/Django, HTML, CSS and Javascript (AJAX).
- Low level development for real time systems and embedded devices.

Senior System and Network Administrator

- Linux expert: 8+ years of experience with Debian, Ubuntu, Redhat, SUSE and Gentoo.
- Computer security: former member of the Debian Testing Security Team.
- Hands on experience with MS Windows 2K server, MacOS X, FreeBSD, Solaris and Cisco IOS
- In-depth knowledge of Internet Protocols: Ethernet, Wifi, TCP/IP, IPv6, VPN, SSL, DNS, DHCP, ...
- Apache/Lighttpd, MySQL/PostgreSQL, BIND/djbdns, Exim/Postfix, Samba, OpenLDAP, ...

PROFESSIONAL WORK EXPERIENCE

Senior Application Developer

January 2008 – Present

Trapeze Media, Toronto, Canada

- <http://my.cineplex.com>: led a team of 8 developers, wrote technical specifications, developed the backend with Python/Django, performed code reviews, server setup and monitoring, load testing and live deployment.
- <http://www.rachaelrayshow.com>: conducted a performance analysis of the website and the server farm that led to an hosting migration.
- <http://www.bonefishgrill.com> and <http://www.adclub.ca>: developed the backend with Python/Django.
- Collaboratively wrote a best practices document on software development, Quality Assurance and server configuration.

Continued ...

PROFESSIONAL WORK EXPERIENCE (CONT.)

Web Developer**Nov 2007 – Dec 2007**

AOL Canada, Toronto, Canada

- <http://news.aol.ca>, <http://money.aol.ca>, <http://sports.aol.ca>: developed the site search with Sphinx and Django, integrated AOL proprietary SSO solution, wrote a Python script to import articles from AP, CP and Reuters news feeds.

Collegiate Professor and System Administrator**2004 – 2007**

Paris VI University, Paris, France

- Designed, scheduled and gave co-op courses in C, Java and computer networks at the Masters level for groups of 60 students.
- Reviewed students' applications and interviewed them for admission to the course; monitored their progress and evaluated their completion of the course.
- Recruited 6 assistant professors, evaluated and reviewed their performances.
- Provided system and network administration of 80+ Linux desktops and 2 servers.

Consulting Engineer in Open Source Security**2003 – 2004**

Wallix, Paris, France

- Developed Total Secure: a Linux based firewall.
- Successfully remote-installed the firewall at 20+ of TOTAL Oil's African subsidiaries.
- Provided 24x7 system and network administration of 100+ customers' firewalls, routers and servers, plus pre-sales service, training sessions and third-level technical support.

Assistant Professor (P/T)**2002 – 2003**

Supmeca Engineering School, Paris, France

- Tutored 30 students in Electronics, Electrical Engineering and Automatic Controls.

Cofounder and IT Manager of "Bébés en Vadrouille"—"Wandering Babies"**2001 – 2007**

Private company supporting fair trade in baby products, Paris, France

- Provided system and network administration on company's servers, built and administered the e-commerce website: <http://www.bbenv.com>.
- Developed the first version with PHP/MySQL and the second version with Python/Django/PostgreSQL.

Turbo Pascal Developer**Summers 1998 and 1999**

Research and Control Laboratory, SGL Carbon, Chedde, France

- Performed unit testing, bug identification and resolution, optimization and functionality improvement of an automatic data acquisition program that controlled the production of graphite sleeves for the nuclear industry.

EDUCATION

M.Sc. in Electrical Engineering with Honours**2003**

University Paris-Sud Orsay, Paris, France

Professorial Examination - Electrical Engineering**2002**

École Normale Supérieure de Cachan, Paris, France

References available upon request.