

SOFTWARE DEVELOPER AND SYSTEMS ADMINISTRATOR

HIGHLIGHTS OF SKILLS AND QUALIFICATIONS

- Experienced software developer and Senior Linux Systems Administrator with 5+ years working in private, public and educational organizations, both large and small
- Legally able to work in Canada, seeking to re-establish his successful career as an IT professional
- Master's degree in Electrical Engineering with honours
- Developed Davis, Open Source software to build online stores: <http://djoume.taket.org/davis.php>
- Detail-oriented; accountable for deadlines and quality of work; strong customer service orientation with very good trouble-shooting skills
- Good team player who can think and work independently; passionate about learning quickly and pro-actively acquiring knowledge; goes beyond the obvious to develop effective and long-term solutions
- Fully bilingual in English and French; good verbal, written and listening communication skills.

TECHNICAL SKILLS

Strong Design and Coding Skills

- In depth-knowledge of Python, Java, PHP and C languages; taught Java and C at the university level
- Object Oriented Programming using UML and common design patterns
- C++, Pascal, Shell scripting (awk/sed), Perl and Javascript (AJAX)
- Web application development with PHP, Python/Django and J2EE (Tomcat, Servlet/JSP, JDBC, ...)
- Built systems and web sites using SQL, XML, XHTML, CSS and RSS
- Version Control Systems: CVS, Subversion, git and Darcs.

Senior System and Network Administrator

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

PROFESSIONAL WORK EXPERIENCE

System Administrator and Collegiate Professor

2004 – 2007

Paris VI University, Paris, France

- Provided system and network administration of 80+ Linux desktops and 2 servers
- Designed, scheduled and gave co-op courses in C, Java and computer networks at the Masters level for groups of 60 students
- Developed an Intranet with Django, SPIP (CMS) and moinmoin (Wiki)
- 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.

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 PROFESSIONAL WORK EXPERIENCE (CONT.)

Consulting Engineer in Open Source Security **2003 – 2004**
 Wallix, Paris, France

- Developed a Linux based firewall: Total Secure
- 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**
 Supmecca 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 – Present**
 Private company supporting fair trade in baby products, Paris, France

- Provided system and network administration of the company's servers, built and administered the e-commerce website: <http://www.bbenv.com> for 700 daily visitors and \$80,000 annual revenue
- 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.

 INTERNSHIPS

Master's Degree Internship **Jan to June 2003**
 Transformer Research Center, ALSTOM Transformers and Distribution, Paris, France

- Student-researcher on an international team that studied the usage of Electromechanical Transients Program for low frequency modelling.

Bachelor Degree Internship **Jan to May 2001**
 École Normale Supérieure de Cachan, Paris, France

- Built an RT-Linux distribution from scratch; developed a real time kernel module and implemented it on an embedded motherboard
- Participated in a robot contest: “Coupe de France de robotique”; wrote a technical research report.

 EDUCATION

M.Sc. in Electrical Engineering with Honours **2003**
 University Paris-Sud Orsay, Paris, France

Professorial Examination - Electrical Engineering **2002**
Admitted to the École Normale Supérieure de Cachan **1999**

REFERENCES Available upon request.