JEAN-PHILIPPE BARRETTE-LAPIERRE

3922 Joseph, Montréal, QC, Canada, H4G 1J4   *+1 (514) 691-6815; jpb@rrette.com*

Experience

- **Savoir-Faire Linux**—Québec, QC, Canada
  Programmer, Client Support, Instructor: May, 2005–February 2006

  – Savoir-Faire Linux specializes in application development and system administration on the GNU/Linux platform.
  – Built a PDF digital signature Java application.
  – Built a VoIP Telephony application.
  – Taught an introductionary course on GNU/Linux system administration.
  – Taught an introductionary course on LAMP (Linux/Apache/MySQL/PHP) programming platform.

- **Camelot-Info**—Québec, QC, Canada
  Clerk: October, 2004–May, 2005

  – Worked as a book clerk at a computer bookstore.

- **Hartshorne Software Inc.**—Montréal, QC, Canada
  Programmer: May, 2004–October, 2004

  – Built a Python application to synchronize QuickBooks COM events to a PostgreSQL database.
  – Refactored an ERP system built on PHP.

- **Savoir-Faire Linux**—Montréal, QC, Canada
  Programmer: April, 2003–December, 2003

  – Built a PHP application to manage a shipping fulfillment operation.
  – Built an automated electronic messaging system for FTP/HTTP/Fax/Email with Python.

- **ICI Design**—Montréal, QC, Canada
  Consultant: April, 2003

  – Analysed a C project, that used an embedded device (MIPS Processor), on the GNU/Linux platform. (1 month)

- **ProgSo**—Montréal, QC, Canada
  Programmer: August, 2001–December, 2002

  – Supervised a small team (2–5 people)
  – Built a multi-platform game (BeOS, MacOS, Windows, GNU/Linux) with LGPL libraries. Built a graphical engine from scratch with SDL. Used libcURL and Xerces-C (XML) for the internet transactions. (8 months)
  – Built an automatic mailer. Used libsmtp and Pthreads (parallel programming). (1 month)

– Built an internet bank authentification application. Used OpenSSL (encryption) and smartcards kit. (2 months)
– Configured a VoIP gateway for Nortel's BCM.

- **ICI Design**—Québec, QC, Canada
Consultant: May, 2002

    – Evaluated and identified bugs in an embedded internet radio.
    – Evaluated programmers' work on this project.

- **Eclipsys**—Montréal, QC, Canada
Programmer: May, 2001–August, 2001

    – Developed a vending machine control program, running on the GNU/Linux platform.

Skills

- **Operating Systems:**
    – GNU/Linux (Mandrake, Red Hat, and Debian)
    – Windows 98/2000/XP

- **Programming Languages:**
    – Proficient in C, C++, Java, Python, PHP, HTML, SQL, UNIX Programming, Parallel Programming, Designs Patterns
    – Familiar with Lisp (Common Lisp/Scheme), UNIX Shells

- **Libraries:**
    – Proficient in libcURL
    – Familiar with Qt, SDL, Xerces-C(XML), XML-RPC

- **Systems and Tools:**
    – Proficient in CVS/RCS, Autotools, GnuPG, SSHD, Emacs
    – Familiar with MySQL, PostgreSQL, NFS, OpenLDAP, OpenSSL, Samba, LATEX

Open-source Projects

- **SFLPhone**—http::/www.sflphone.org
May 2005–now

    – Full-time programmer on SFLPhone, VoIP telephony software.

- **cURLpp**—http://rrette.com/curlpp.html
May 2002–now

    – Maintener of cURLpp, the official C++ wrapper of the libcURL library.

- **Moman**—http://rrette.com/moman.html
January, 2004–now

    – Maintener of moman, an orthographic and grammar corrector.