

## ***Paulo Leonardo Benatto***

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<b>Summary</b>	Bachelor in computer science having expertise in software development, good professional relationship and focused at work. With 6 years of professional experience in software development using basically, C/C++, I am now looking for new challenges and opportunities that allow me to learn new technologies and work with new people.	
<b>Education</b>	Universidade Estadual do Oeste do Parana (UNIOESTE), BS in Computer Science, December 2007.	
<b>Experience</b>	<b>SEC+</b> <i>System Analyst</i> <b>Main Tecnologies:</b> Linux, Python, Django Framework, JavaScript and C;	<b>Dec 2012 - Present</b>
	<ul style="list-style-type: none"><li>• C ANSI development to analyze ELF binaries. MalELFicus project;</li><li>• Development of tests with <i>CUnit</i>;</li><li>• Software documentation with <i>doxygen</i> and/or <i>gtk-doc</i>;</li><li>• Backend development with <i>python/django</i> (Intermediate);</li><li>• Frontend development with <i>JavaScript</i>. GoogleMaps API v3. (Intermediate);</li><li>• Database <i>PostgreSQL</i>;</li><li>• Agile development with <i>SCRUM</i>;</li><li>• <i>GNU/Linux</i> administration;</li></ul>	
	<b>Digitro Technology - NDS</b> <i>System analyst</i> <b>Main Tecnologies:</b> Linux, C ANSI, shellscript, protocols: HTTP, SIP, UDP, TCP;	<b>Jan 2012 - Dec 2012</b>
	<ul style="list-style-type: none"><li>• Software development of collection and interception of data used in police and judicial investigations.</li><li>• Development of parsers for data gathered from Facebook, WhatsApp, general email, IRC and others.</li><li>• <i>Test Driven Development</i> (TDD) with <i>CUnit</i>;</li><li>• Automatic build with <i>JHBuild</i>;</li><li>• Continuous integrations with Jenkins;</li><li>• Software documentation <i>doxygen</i> and/or <i>gtk-doc</i>;</li><li>• Libraries: <i>GLib</i>, <i>PCAP</i>, <i>Iconv</i>, and others;</li><li>• Agile development with <i>SCRUM</i>;</li><li>• GNU/Linux administration;</li></ul>	
	<b>Digitro Technology - STE</b> <i>System analyst</i> <b>Main Tecnologies:</b> Linux, VoIP, C/C++, shellscript, protocols: UDP, TCP, SIP;	<b>Set 2008 - Dec 2011</b>
	<ul style="list-style-type: none"><li>• <i>FreeSWITCH</i> administration;</li><li>• <i>OpenSER</i> administration;</li><li>• Development of SIP protocol on a softphone;</li><li>• Development of interface using the EFL (Enlightenment Foundation Libraries) stack on a IPphone;</li><li>• GNU/Linux adminisitation (Debian and CentOS);</li></ul>	

- Development Tools: *VI, GCC, make, cmake, VisualStudio, Splint, Valgrind, gdb and subversion*;
- Document database: *mongodb*;
- Automate tasks with *shell script* and *python*;

## Virtual Office

Jan 2008 - Aug 2008

*Developer Jr*

**Main Technologies:** Linux, VoIP, SIP, Asterisk and Latex;

- PBX IP Asterisk administration;
- Debian GNU/Linux administration (shell script);
- Web development solutions using PHP, HTML, CSS and MySQL;
- Development of a document, in latex, about Asterisk software;
- Customer Support VoIP;

## Skills Base

*Operating System:* Linux (Debian, Ubuntu, CentOS and others), Windows NT/XP/Vista/7 and OSX;

*Network Protocols:* IP, TCP, UDP, HTTP, SIP, FTP, SMTP, SNMP, e outros;

*Programming Languages:* C/C++, Python, JavaScript, plus some experience with lua / Java / Ruby / PHP / HTML;

*Virtualization:* VirtualBox, VMWare, plus some experience with Xen;

*Languages:* Fluent in Portuguese, Intermediate in English and Spanish;

## Projects

In my spare time I develop some open source projects (<https://github.com/patito/>).

- **libpenetra:** The libpenetra was created with the goal of studying the windows binary format known as Portable Executable (PE). With libpenetra you can access all information about PE binaries. (<https://github.com/patito/libpenetra>)
- **libmalelf:** The libmalelf is an evil library that SHOULD be used for good! It was developed with the intent to assist in the process of infecting binaries and provide a safe way to analyze malwares. (<https://github.com/SecPlus/libmalelf>)
- **malelf:** Malelf is a tool that uses libmalelf to dissect and infect ELF binary. (<https://github.com/SecPlus/malelf>)

## More Info

- **Linkedin:** <http://www.linkedin.com/in/benatto>
- **Github:** <https://github.com/patito>