Resumé

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Cláudio Luís Marques Sampaio

Married, no children, 43 years old (23 november 1973)
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Summary

- Versatile **system administrator** and **developer** with decades of UNIX and Linux experience in big customers with mission critical environments, working with servers, desktops, mobile and embedded devices.

- Language generalist with programming experience (complete application writing) in C, C++, Java, perl, python, SQL, php and shell scripting.

- Good knowledge on **revision control systems** like **git**, RCS, CVS, bazaar.

- Deep understanding of **open-source licenses**, philosophy and legislation and active contributor of open-source projects.

- Knowledge and experience in packaging software applications in formats like deb, rpm, lpp (AIX), AppImage and snap.

- Good knowledge of **electronics and circuitry** and deep knowledge and understanding of low-cost **3D printing**, with a popular open-source book (in brazilian portuguese) published about it. Due to that, good modelling experience in open-source 3D modellers like Blender, FreeCAD and OpenSCAD.

- Knowledge and practice with **development boards** like ODROIDs from hardkernel, PCDuino, Orange and Banana Pi, Beaglebone Black, Wandboard, Cubieboard and many others.

- Additional knowledge about physics, chemistry, molecular biology and genetics, with a masters degree of genetics and molecular biology from one of Brazil's most respected universities.

- **Public speaker** in a number of high-profile events and conferences, and also **youtube educator** with Maker/3DPrinting channels in brazilian portuguese and english.

Objective

- Mostly due to my diverse set of abilities, my best performance is at **medium to long term projects with high stakes** and responsibilities and unforeseen circumstances.

- I thrive at **complex systems environments** with multiple languages, being able to learn a new one in a very short time. High skill in troubleshooting and fixing system problems and keep things working even in emergencies.

- With my education experience, I am also very good and **documenting and organizing** computing environments.

- I can administrate diverse **UNIX system environments** including planning for high availability (certified in HACMP for AIX and with experience in other HA systems) and network topology and firewalls.

- I can **code applications** that complement a diverse environment, with scripting, VM-based or compiled languages.

- I can advise on open-source licensing and strategies.

- I can use my extra skills to complement work, e.g. 3D printing for embedded devices or 3D modelling.

- I can work night shift if needed. Had a 5 years period at IBM with that.

Education

- State University of Campinas (Unicamp), 2001. Computer engineering.

- State University of Campinas (Unicamp), 2010. Master in Genetics and Molecular Biology.

- Several certifications from Unixes:

  - SAIR Linux certification, 2001

  - CATE (Certified Advanced Techical Expert) for AIX, 2001.

  - HP-UX and Solaris System Administrator certifications.

- Many in-job courses and certifications, from **ITILv3** to individual products like Lotus Notes and Maximo.

- Embedded development courses with *Embedded Labworks* and (now extinct) *Techtraining*.

Experience

- **Solvo** S/A, 1998-2001: Unix systems administrator, 2001-2002: Unix Application Developer.

- **YMF** S/A, 2002-2003: J2EE developer for financial systems.

- **Convergys, Inc.**, 2003-2005: Unix and Windows applications developer (front-end and backend)

- **IBM Brasil S/A**, 2005-2016: UNIX Systems administrator, Unix Team Lead, Unix Application Developer.

Languages

- **English**: fluent (writing, reading), good (speaking).

- **Portuguese**: native language.

- **French**: intermediate (reading, speaking), basic (writing)

- **Spanish**: intermediate (reading, speaking), basic (writing)

Availability

- **Travel Availability**: Available for both national and international trips with up to 6 months periods.

- **Work Availability**: Available to work half-time, full-time, home-office and also with contracts due to having a small business to perform computer-related services.

Caveats and shortcomings

- Due to the necessary rich and complex environments and toolsets needed for my kind of work, I found it impractical, maybe impossible, to work in a Windows desktop, even a Windows 10 desktop with Windows Subsystem for Linux. A proper updated real Linux desktop is needed, be it RedHat, Ubuntu, Arch or any derivatives, but since most Linux desktops are free of charge, this usually does not pose a monetary problem.