

Rafael Gonçalves Martins

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Website: <https://rgm.io/>

Location: Brno, Czech Republic

School

Federal Center for Technological Education of Minas Gerais, 2006 - 2011

Bachelor's Degree: Control and Automation Engineering.

Relevant experience

Software Engineer, Red Hat, 2015 - present

- Member of Red Hat Enterprise Virtualization Manager integration team.

Developer (volunteer), Gentoo Linux, 2010 - present

- Maintain packages of the following herds: sci-electronics, sci-mathematics, python
- Maintain random packages of several categories

Development Architect, Titans Group, 2013 - 2015

- Software architecture and development (Python)

Mentor (volunteer, Google Summer of Code), Google Inc., 2013

- Mentored Jauhien Piatlicki during 3 months developing [g-sorcery](#), for Gentoo Linux

Software Engineer, Collabora Ltd., 2012

- Software development (Python)
- Quality assurance

Project Analyst, Siemens Ltda, 2011 - 2012

- Software development (HMI, PLC and dedicated software)

Developer (Google Summer of Code), Google Inc., 2011

- Worked during 3 months developing [distpatch](#), for Gentoo Linux (C, Python)

Intern, CIERMag/IFSC/USP, 2011

- Software development (Python)

Developer (Google Summer of Code), Google Inc., 2010

- Worked during 3 months developing [g-octave](#), for Gentoo Linux (Python)

Languages

- Portuguese (Mother tongue): comprehends well, speaks well, reads well, writes well
- English: comprehends reasonably, speaks reasonably, reads well, writes well

Skills

Software Development

- Expert-level development in Python and advanced-level development in C
- Codes in: Python, C, C++, Javascript, bash, PHP, Lua
- Tools: Mercurial, Git, Trac, Bugzilla, Apache, Nginx, Postfix, GNU Autotools, Cmake, Pkgconfig, Subversion, CVS, MySQL, SQLite3, etc.
- Platforms: Linux (Gentoo, Debian, Ubuntu), Windows (2000, XP, 7)
- Libraries: Qt, GTK, Glib, Readline, Libedit, Zlib, Xenomai, RTAI, etc.

Electronics / Industrial Automation

- Simulation and modeling of control systems
- Design of industrial controllers
- Design of electronic circuits

- EDA softwares: Kicad, gEDA, Orcad, Multisim
- Automation-related softwares: WINCC, Step7, Indusoft Web Studio, Automation Studio
- Numerical computation softwares: GNU Octave, MATLAB

Writing, Projects, and Links

- [blohg](#) - A mercurial-based blogging engine
- [g-octave](#) - A tool that generates and installs ebuids for Octave-Forge on Gentoo Linux
- Blog about Free Software and Engineering at <https://rgm.io/>
- Profiles: [GitHub](#), [Linkedin](#), [Twitter](#)
- Projects: Are at <https://rgm.io/projects/>
- Talks: Are at: <https://rgm.io/talks/>