



Rudy Matela

Computer Scientist

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Personal Information

Full name	Rudy Matela Braquehais	Gender	Male
Nationality	Brazilian	Date of Birth	April 27, 1987

Summary

Software Engineer with 9 years of experience in both software industry and academia. In industry, worked developing web applications, mobile applications, networking systems, embedded systems and hardware design. In academia, as a researcher, published some scientific papers. As teacher, lectured in both secondary and tertiary education. A very organized and focused person that likes to learn new things. Currently enrolled in a PhD in CS.

Education

2014–ongoing **PhD in Computer Science (ongoing)**, *University of York*, United Kingdom.
2009–2011 **Master in Computer Science**, *Universidade Estadual do Ceará*, Brazil.
2005–2009 **Bachelor in Computer Science**, *Universidade Estadual do Ceará*, Brazil.

Skills

Programming Assembly, Bash, C, C++, C#, Haskell, Java, JavaScript, Lisp, Python, Ruby
Markup/Other \LaTeX , HTML, CSS, LilyPond, txt2tags, VHDL, Verilog, SQL
Libs./Frmwrks. Ruby on Rails (3, 4), Android SDK (2.3, 4+), Windows Driver Kit, SDL
OS Linux System Administration (Ubuntu, Debian, Arch): dpkg, apt, pacman
SCM Git, Mercurial, SVN, CVS
Methodologies Scrum, XP, TDD
Fields of Interest Functional Programming Languages, Data Structures, Algorithm Design, Computer Networking

Languages

Portuguese	Native Language	French	Basic
English	Fluent	Spanish	Basic

Experience

Software Industry

- 2012–2013 **Project Manager**, *FFIT/Unimed Ceará*, Brazil. ffit.com.br / unimedceara.com.br
Development of web applications using *Ruby on Rails* on the field of health care.
 - Technologies: Ruby on Rails, Android, Kannel SMS Gateway and C.
 - Management of a small development team using agile methodologies (Scrum)
- 2011–2012 **Software Engineer**, *Atlântico Institute*, Brazil. atlantico.com.br
Printer driver development for cloud computing environments
 - Technologies: C++, C#, WDK, DDK, Windows Azure
 - Experience in a workplace with CMMI 5 and ISO 9001 certification
- 2008–2010 **Software Engineer and Project Manager**, *IEPRO*, Fortaleza. iepro.org.br
Implementation of a switch for high speed networks using Assembly and C
 - Usage of C and Assembly for the EZchip NP-3 Platform (Network Processor)
- 2008 **Programmer**, *Atlântico Institute*, Brazil. atlantico.com.br
Development of web applications using Ruby on Rails
 - Experience as a programmer under an agile methodology environment
- 2008 **Programmer**, *Secretary of Education*, Brazil. www.seduc.ce.gov.br
Development of educational software
 - Technologies: C, Agar (lib), SDL (lib)

Academia

- 2012 **Lecturer**, *Faculdade Lourenço Filho*, Brazil. www.flf.edu.br
Teaching at the Computer Networks Technologist Undergraduate Course
- 2011 **Researcher**, *Université du Québec à Montreal (UQAM)*, Canada. uqam.ca
Research & development on the field of high speed network devices and mechanisms
 - Implementation of protocols in C and Assembly for the EZchip NP-4 Platform
- 2009 **Lecturer**, *Universidade Estadual do Ceará (UECE)*, Brazil. www.uece.br
Teaching at the Administration by Distance Undergraduate Course
 - Introduction to Informatics course
- 2005–2008 **Researcher**, *Universidade Estadual do Ceará*, Brazil. www.uece.br
Research and development in the field of networking systems (C and VHDL)

OSS Contributions

- 2007–now Maintainer of several Arch Linux packages on the AUR aur.archlinux.org
- 2012–2014 evenmoreutils: command line tools collection matela.com.br/evenmoreutils
- 2012–2013 Fixes and improvements in Hgactivity Mercurial plugin labs.freehackers.org/projects/hgactivity
- 2013 BitBurn: bitbucket issues burndown chart generator bitbucket.org/ffit/bitburn
- 2012 Bug corrections on Kannel SMS Gateway kannel.org
- 2011 Bug fix on screen rotation support of DWM dwm.suckless.org
- 2009 Commits in the Linux Kernel regarding documentation and code conventions