

André Melo

Software Engineer

about

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Brazil

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languages

portuguese
english

programming

C#
Java
Ruby
Python
C++, C

intro

He likes to imagine how the future will look like and builds it in the mean time. Likes to combine technologies. Currently learning Android development.

experience

- 2013–NOW **INDÚSTRIA MINEIRA DE JOIAS** Belo Horizonte, Brazil
•C# •Btrfs CoW
Software development for jewelry business company which reached 268,000 lines of source code. Development of inventory control and commission systems. Re-factoring in order to improve response time. Time machine implementation through incremental backup using Btrfs copy-on-write.
- 2012–2013 **GAP @ AVENUECODE** Sacramento, USA
•Selenium •Capybara •Webkit •Ruby •Cucumber •AngularJS
Expanded the functional tests and did a research and development that resulted in switching the rendering engine from selenium to capybara-webkit. This allowed the tests to run in headless mode in the continuous integration pipeline.
- 2011–2012 **BLOOMINGDALE'S @ AVENUECODE** New York, USA
•JSP •YUI •CSS •JavaScript
Introduced to Agile methodologies. Front-end development for bloomingdales.com' checkout project.
- 2010–2011 **COTAK SISTEMAS** Belo Horizonte, Brazil
•C# •MySQL •Virtualization •Amazon AWS •Selenium
Worked in the development of a distributed computing cloud that automate UI web interfaces, designed to feed automatic insurance quotes. Acquired experience in distributed web systems, software architecture and technology research. Used C# .NET, MySQL database, Amazon EC2 services. Had an opportunity to build an autonomic library for configuration and logging in distributed applications, and a map reduce library for scheduling a set of pair<algorithm, data> dynamically.
- 2009–2009 **CONTRATANET** Belo Horizonte, Brazil
•ASP.NET •MySQL •Hibernate
Development of new set of classes to generate matching and ranking between vacancies and candidates. Using map-reduce to validate changes in regression testing.
- 2004–2009 **INDÚSTRIA MINEIRA DE JOIAS** Belo Horizonte, Brazil
•C# •MySQL •Cent-OS •Crystal Reports
Software development for jewelry business company. Developed several modules to implement the company's work-flow. Improved communication between company areas. Improved the worse business case that used to take 2 weeks and now takes 2 days by introducing model related consistency tests and by optimizing the company overall work-flow.

education

2013–2013	Communication & Interpersonal Skills Training	Dale Carnegie Training
2004–2010	Bachelor of computer science	Federal University of Minas Gerais

work and travel

2006–2007	parking lot operator	Mohegan Sun Casino, Connecticut, USA
2010–2010	supermarket operator	Publix Supermarkets, Florida, USA

awards

2003-2003	champion in robotics championship	Copa SUCESU, Minas Gerais, Brazil
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publications

MELO, A.; MENOTTI D.; SGARBI, E.; FACON, J.; ARAUJO, A. A. Realce de imagens coloridas através de equalização de histogramas 2D. In: Workshop of Undergraduate Students - SIBGRAPI 2005, 2005, Natal, Brasil. XVIII Brazilian Symposium on Computer Graphics and Image Processing, 2005. p. 1-8.

MENOTTI D.; MELO, A.; ARAUJO, A. A.; FACON, J.; SGARBI, E. Color image enhancement through 2D histogram equalization. In: International Conference on Systems, Signals and Image Processing (IWS-SIP 2006), 2006, Budapest, Hungary. Proceedings of 13th International Conference on Systems, Signals and Image Processing (IWSSIP 2006), 2006. p. 235-238.

interests

professionals: distributed computing, big data, artificial intelligence, machine learning, information retrieval, Android and Linux **personals:** cooking, hiking, chess, *forró* (dance) and piano.