

André Melo

Software Engineer

about

Belo Horizonte, 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. Have fun combining technologies. Currently diving into Android development.

education

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| 2013 | Communication & Interpersonal Skills Training | Dale Carnegie Training |
| 2004–2010 | Bachelor of Computer Science | Federal University of Minas Gerais |

experience

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| 2013–NOW | INDÚSTRIA MINEIRA DE JOIAS
•C# •Linux •Btrfs CoW
Software development for jewelry company. Development of inventory commission systems. Re-factoring in order to improve response time. Time machine implementation through incremental backup using Btrfs copy-on-write. | Belo Horizonte, Brazil |
| 2012–2013 | GAP @ AVENUECODE
•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 tests to run in headless mode into the continuous integration pipeline. | San Francisco, USA |
| 2011–2012 | BLOOMINGDALE'S @ AVENUECODE
•JSP •YUI •CSS •JavaScript
Introduced to Agile methodologies. Front-end development for bloomingdales.com' checkout project. | New York, USA |
| 2010–2011 | COTAK SISTEMAS
•C# •MySQL •Virtualization •Amazon AWS •UI Automation •Selenium
Worked in 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 and Amazon EC2 services. Had an opportunity to build an automatic library for configure and log distributed applications, and a map reduce library for scheduling a set of pair<algorithm, data> dynamically. | Belo Horizonte, Brazil |
| 2009 | CONTRATANET
•C# •ASP.NET •MySQL •NHibernate
Development of new set of classes to generate matching and ranking between jobs and candidates. Using map-reduce to validate changes in regression tests. | Belo Horizonte, Brazil |
| 2004–2009 | INDÚSTRIA MINEIRA DE JOIAS
•C# •MySQL •Cent-OS •Crystal Reports
Software development for jewelry business company. 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. | Belo Horizonte, Brazil |

work and travel

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

awards

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.