

MARCO NETTO

Inventor · Manager · Researcher

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Technical expertise on backend systems, with 20+ years of practice in the area. More than 8 years in a management role leading multidisciplinary teams in a very dynamic environment to create novel technologies mixing Cloud, Artificial Intelligence, and High Performance Computing. Inventor with 100+ patent applications (60+ of them granted) and 65+ scientific papers. Experience working with clients for validating and improving first of a kind technologies. Love to give talks to young students on IT career advising. Passion for making complex computing systems easier to be used.

EXPERIENCE

IBM Research - Sao Paulo, Brazil

Since 2011

- Researcher (since 2011) and Research Manager (since 2013)
- Co-inventor of 100+ patent applications on several areas including: Cloud, AI, Data Analytics, IoT, UX, and DevOps
- Key leader to make IBM Brazil the top company with patents in USA by mentoring hundreds of inventors
- Key player to help the growth of a new IBM Research lab: talent acquisition, R&D agenda, technology development, culture establishment, mentoring, etc
- Recipient of IBM technical awards on, including:
 - workload migration to the cloud, with US 50+ million in cost reductions
 - digital agriculture, for bootstrapping businesses and technologies in this area
- Led HPC cloud technology development to simplify usage of cloud for HPC workloads including: job memory predictor, queue wait time predictor, cloud bursting advisor
- Led team and co-developed tech for AI CPU-intensive workloads in Jupyter Lab

Dell Center @ PUCRS - Porto Alegre, Brazil

2010

- Researcher for software testing in virtualized environments
- Performance evaluation in virtualised environments

Hewlett Packard Center @ PUCRS - Porto Alegre, Brazil

2000 – 2004

- R&D in HPC resource management
- System administrator for HPC environments

EDUCATION

Ph.D. in Computer Science, The University of Melbourne, Australia	2006 – 2010
M.S. in Computer Science, PUCRS, Brazil	2003 – 2004
B.S. in Computer Science, PUCRS, Brazil	1998 – 2002

ADDITIONAL ACTIVITIES

- IEEE senior member and active reviewer of scientific conference papers and journals on cloud, AI, and distributed systems in general
- Active member of IBM academic relations to give students talks on IT career advising