Raul Kist

Résumé

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Experience

Grupo QuintoAndar

Senior Staff Software Engineer, *2020–Present*, São Paulo, Brazil.
TODO0
TODO1
TODO2

Senior Head of Software Engineer, *2020–Present*, São Paulo, Brazil.
TODO0
TODO1
TODO2

Head of Software Engineer, *2020–Present*, São Paulo, Brazil.
TODO0
TODO1
TODO2

Senior Software Engineer Manager, *2020–Present*, São Paulo, Brazil.
TODO0
TODO1
TODO2

Software Engineer Manager, *2020–Present*, São Paulo, Brazil.
TODO0
TODO1
TODO2

Senior Software Engineer, *2019–2020*, São Paulo, Brazil.
TODO333

Cegal AS

Senior Software Engineer, *2015–2019*, Oslo, Norway.
Working on software for Oil & Gas exploration and production for Petrel E&P Software Platform using mostly C#.
Lead developer on Blueback BluePrint, an automatic and customizable reporting tool for complex exploration data, and other service projects for external clients.
Part of the development of Blueback Rocks Velocity, a versatile seismic velocity tool used for processing and analysis; Blueback Toolbox, a bestseller pack with dozens of products encopassing most of the areas of oil exploration and production and Blueback Inevstigator, a powerful cross-domain muti-dimensional data analysis tool.

Geoimaging Solutions	**Research Software Engineer**, *2013–2015*, Rio de Janeiro, Brazil.
	Research projects on high end geophysical imaging using high performance computing for Oil & Gas industry.
	Integration of Full Waveform Inversion (FWI) and Reverse-time Migration (RTM) and other signal processing algorithms using C++ and Fortran with Big Data on Linux HPC clusters.
Schlumberger	**Software Engineer**, *2010–2013*, Rio de Janeiro, Brazil.
	Design and development of new products and technologies of software for Oil & Gas exploration and production, particularly on geophysical tools for Petrel E&P Software Platform. Comprehensive desktop programming experience using Fortran, C, C++ (CLI and native), C# and Java and integrating 40 years old legacy code to .NET applications.
Microsoft Innovation Center	**Software Engineer Intern**, *2006–2010*, Campinas, Brazil.
	Research and development in Distributed Systems with emphasis in Interoperability, High Performance Computing, Virtualization and Cloud Computing, using both Microsoft and open source platforms.
	Conceived and implemented server applications to coordinate load balancing on distributed systems using technologies like C#, Powershell and Windows Server family products as Failover Clustering, HPC Server and Hyper-V.

Education

2006–2011	**Computer Engineering**, *University of Campinas (UNICAMP)*, Campinas - Brazil.
	Modality AA – Computer Systems
2004–2006	**Pilot Officers Graduation Course (Curso de Formação de Oficiais Aviadores)**, *Brazilian Air Force Academy (Academia da Força Aérea)*, Pirassununga - Brazil, *Unfinished*.
	Ranked as Air Force Cadet.
	Course curriculum covers the areas of Military Aviation and Business Administration.

Publications

2010	**ViCOS** - **Virtual Cluster Orchestration System**, *CLCAR - Latin American Conference on High Performance Computing*, ISBN 978-85-7727-252-5.
	An environment aware load balancing virtual cluster system that coordinates virtual machines that offer some service (HPC, SOA, etc) in a failover cluster, making a multipurpose environment which the main goal is to reduce the wasting of the infrastructure's computational potential.

Languages

Native	**Portuguese**	
Fluent	**English**	
Intermediate	**German**	*A little bit rusty*
Intermediate	**Spanish**	*Lived next to Argentina*

Technical skills

Programming Languages

C/C++	*6 years*
C#	*7 years*

Python   3 years

General Courses

2017	**Machine Learning**	*Coursera*
2012	**Lean Management Workshop**	*Industrial Logic*
2012	**Applying Advanced Object Design with Patterns**	*Craig Larman*
2011	**Open Inventor Development**	*VSG*
2010	**Smart Grid Research & Gateway Development**	*IBM/Tivoli*
2009	**Network Performance Reporting**	*IBM/Tivoli*
2009	**Principles of Telecommunication Networks Managemen**	*IBM/Tivoli*