Raul Kist

Résumé

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Experience

2010–Present **Software Engineer**, SCHLUMBERGER, Rio de Janeiro, Brazil.

Design and development of new products and technologies of software for Oil & Gas exploration and production, particularly focused on geophysics tools for Petrel E&P Software Platform.

- Comprehensive desktop programming experience:
  - Fortran, C, C++ (CLI and native), C# and Java experience;
  - Integrated 40 years old legacy code to .NET applications;
- Attended international teams, dealing with people from different cultural backgrounds.
- Products with high performance and high quality demand for Seismic Processing, Rock Physics Modeling and Data Analysis.
- 'Usability Champion' role in the last project.

2006–2010 **Software Engineer Intern**, MICROSOFT INNOVATION CENTER, 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 2008 R2 family products as Failover Clustering, HPC Server and Hyper-V.

Miscellaneous

2007–2009 **Microsoft Student Partner**.

Former Microsoft 'Student Ambassador' position.

Academic lectures and articles about Microsoft related technology to undergraduate students.

Education

2006–2011 **Computer Engineering**, *UNICAMP - Universidade Estadual de Campinas*, 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#	*5 years*
C/C++	*5 years*
Python	*2 years*

Plattforms (admin and user)

Windows Server	*2003 R2, 2008, 2008 R2, Core*
Windows	*XP, Vista, 7*
Linux	*Several flavors*

General Courses

2012	**Lean Management Workshop**	*Industrial Logic*
2012	**Applying Advanced Object Design with Patterns**	*Craig Larman*
2010	**Smart Grid Research & Gateway Development**	*IBM/Tivoli*
2009	**Network Performance Reporting**	*IBM/Tivoli*