

Leniel Braz de Oliveira Macaferi

Profile	<ul style="list-style-type: none">▪ Single▪ Brazilian▪ 24 years
Military status	Exempt (open to relocation)
Objective	<p>Act inside the IT (Information Technology) area as a technology architect, system administrator, developer or researcher. Software, computer networks and IT infrastructure is my focus. I'd like to develop my career mixing these marvelous areas.</p> <p>The position I'm most interested in is: Systems Engineer/Technology Architect. Other correlated positions are welcome as well.</p> <p>I really want to live in a foreign country to know new cultures. I'd like to go to Europe or US.</p>
Professional summary	<p>Worked during two months at the Transport Phenom Computer Laboratory at ITA - Aeronautics Institute of Technology as a technology architect, systems administrator, developer, with knowhow related to high performance computing (HPC), parallel computing, distributed systems and supercomputers. The programming languages I used were: Fortran and C++.</p> <p>I developed and implemented IT infrastructure projects (Windows/Linux clusters).</p> <p>As a systems administrator, managed the lab's computer network and the printing services.</p> <p>Worked during nine months as a developer analyst, with knowhow related to the following languages: C, C++ and C# within the Microsoft .NET platform.</p>
Professional experience	<p>02/2008 to 4/2008 at ITA-Petrobras through a scholarship of research and development (R&D) http://lcft.mec.ita.br www.ita.br www.petrobras.com http://www.gradebr.nyxknowledge.com.br Role: technology architect, system administrator, developer, member of GradeBR - Rede Galileu workgroup</p> <p>12/2003 to 9/2004 at the company Triade Soluções Inteligentes through an internship program. www.triadesolucoes.com.br Role: system analyst, C# developer</p>
Academic qualification	<p>02/2003 to 12/2007 – Graduated in Computer Engineering at UBM (University of Barra Mansa) - Campus Cicuta, Barra Mansa, Rio de Janeiro, Brazil - www.ubm.br GPA related to 70 disciplines (10 terms) = 8.53 up to 10.0 or 3.41 up to 4.0 Degree/major: bachelor in Computer Engineering</p> <p>02/1999 to 12/2002 – High school + Computer Technician graduation at ICT (Instituto de Cultura Técnica) [Technical Culture Center] - Volta Redonda, Rio de Janeiro, Brazil - www.colegioict.com.br GPA related to 38 disciplines = 7.7 up to 10.0 or 3.08 up to 4.0</p>
Research experience	<p>http://lattes.cnpq.br/0335843158531452</p>
Language skills	<p>02/2003 to 06/2007 – Attended an English course at CCAA (Centro de Cultura Anglo Americana) [Anglo American Culture Center] - Volta Redonda, Rio de Janeiro - www.ccaa.com.br GPA (9 terms) = 9.76 up to 10.0 or 3.9 up to 4.0 Advanced spoken and fluent read and written English. Intermediate in read Spanish</p>
Technical skills	<p>4+ years of experience in software development Programming languages: Delphi, C, Fortran, C++, C#, Java, Bash/Shell scripting, PHP, ASP, HTML, CSS, JavaScript, XML, Prolog, Ladder Development tools: Microsoft Visual Studio, NetBeans, Eclipse, Borland Delphi, Dreamweaver Database programming languages: SQL Database systems: Microsoft SQL Server, Access, MySQL, Oracle, JavaDB, RAID Modeling language: UML Modeling tools: Microsoft Visio, IBM Rational Rose, Visual Paradigm Operating systems: Windows, Unix/Linux, Virtual Machines Desktop tools: Microsoft Word, Excel, Power Point, Outlook, Project, OpenOffice, Adobe Acrobat Computer networks: TCP/IP and OSI models, LAN, MAN, WAN, VPN, SAN, NAS, DHCP, DNS, NIS, LDAP, CIFS, NFS, load balancing Microsoft Windows/Linux environment: IIS, Active Directory, Apache, Samba, Terminal Service Distributed systems and parallel programming: HPC, cluster, grid, MPI Graphics tools: Photoshop, CorelDRAW, Fireworks Simulation tools: MATLAB, Simulink, Multisim Automation and control: PLC programming, Ladder Project management and gov: PMBOK, ITIL: service support and delivering, COBIT processes domain Information security: firewalls, ISO 27001</p>
Certifications	<p>Cisco CCNA 1 (taken in English) with GPA = 8.73 up to 10.0 or 3.49 up to 4.0 Microsoft 5 Stars Developer Program Computers and printers maintenance</p>

Extracurricular activities 04/2008 – Participating in the translation project of Scott Guthrie's blog - <http://weblogs.asp.net/scottgu>. Scott Guthrie is the Corporate Vice President in the Microsoft Developer Division. He runs the development teams that build the following products/technologies: CLR and the core .NET Base Class Libraries, ASP.NET, Silverlight, WPF, IIS 7.0, Visual Studio Tools for ASP.NET and WPF. I translate his posts from English to Portuguese. The translated posts are available at <http://weblogs.asp.net/scottguportuguese>.

04/2008 – Participating as a volunteer translator at ProZ - www.proz.com. ProZ is the translation workplace providing translation service and translation jobs for freelance translators and translation agencies. It's also home to the world's largest community of professional translators. My translator profile can be seen at <http://www.proz.com/profile/849397>.

Projects details 07/2008 - Petrobras 2008 Web Application

Web application developed using Java technologies (Spring, Hibernate and Java Server Faces), I used MySQL database.

The project shows the concepts related to inversion of control (IOC) and dependency injection. These concepts when summed up allow the change of the technologies used in the application in a transparent way, that is, there isn't the necessity of rewriting all the software code. To this end, well defined interfaces that expose the services provided by a given technology are used. This way, to change the technology used in the app it is necessary to change only some configurations in an XML file that describe the objects used by the application.

02/2008 to 04/2008 - GradeBR - Rede Galileu – Thematic network of scientific computing and visualization, Contro Porous Media UI

I got out of this job because I didn't earn a cent. I literally paid to work there. I was expecting a scholarship as promised, but it didn't happen. Without the scholarship I couldn't continue on this job. That was a great opportunity for sure, but the lack of money was the impediment.

Worked at ITA (major public education center of Brazil) that is located in São José dos Campos - São Paulo.

The project I worked on is a partnership between ITA and Petrobras (major Petroleum company of Brazil).

I was member of the workgroup that was responsible for defining the specs related to supercomputers (HPC) that will be part of the fastest scientific network of Brazil. The project is called GradeBR - Rede Galileu - <http://www.gradebr.nyxknowledge.com.br>. This project comprises 5 major universities of Brazil. One of the supercomputers probably will be between the top 20 of the top500.org list of supercomputers. Worked inside the Computational Transport Phenomena Laboratory.

The following are some of the thing I did:

Managed to install the Windows Compute Cluster Server on four dual-core servers. Configured one of the machines to be a head node and managed to create a domain on the head node to establish a cluster. Set up, build, compiled, debugged and run parallel programs on the Windows cluster.

Active Directory installation and management.

Managed a Linux cluster composed of 6 four-core HP servers running the Rocks cluster distribution. Build, compiled and run parallel programs on the Linux cluster.

Member of GradeBR - Rede Galileu workgroup. Travelled to Rio the Janeiro to meet with the workgroup.

Administrator of Grade-BR discussion forum – created the forums, set up member privileges, etc.

Designed, programmed and tested the Porous Media UI input data form using Microsoft Visual Studio 2005 Professional Edition. I used the C++ programming language to develop this project.

06/2007 to 12/2007 - Query Language integrated into the Programming Language

Computer engineering final academic project.

Integration of SQL query language into the C# programming language.

New Microsoft technology called LINQ - Language Integrated Query.

06/2007 a 12/2007 – University Management System

Base project used to demonstrate the core concepts of the computer engineering final project.

The technologies used were ASP.NET and LINQ. The development was done in C#.

06/2006 to 06/2007 - Free Software as Embedded System in a PDA like Device

Project of the Institutional Program for Research and Scientific Initiation - <http://www.ubm.br/ubm/paginas/copep/pipic.php>

The platform used was Linux and Java.

The hardware used was a pocket pc made by HP.

04/2006 to 05/2006 | 01/2007 - Algorithmic Forays for a Regex Parser

Regular expressions mechanism;

Translation of the original paper from English to Portuguese;

Translation of C++ code to C# code;

Mastering the knowledge about classes and generic data structures in C#;
Utilization of external third party DLLs.

07/2004 to 12/2004 - Algorithm Development in C++ and Numerical Simulation of Ordinary Differential Equations

Project developed as an academic article and posteriorly publicized in the university's scientific magazine - http://www.ubm.br/ubm/paginas/copep/revista_cientifica.php

The implementation was done in C++.

Simulation of famous numeric calculus methods as Euler and Runge-Kutta.

12/2003 to 9/2004 - MultiClubes System - www.triadesolucoes.com.br/Multiclubes.aspx

Developed when I participated as an intern in a joint venture between the university I attended and a company called Triade Soluções Inteligentes. I worked inside the university campus.

My first contact with Microsoft development platform occurred during this internship program. I knew the "new" C# language at that time. I began exploring the new functionalities and I got amazed with so many possibilities and ease of use. Since then I'm evolving and learning everything I can to get expertise in Microsoft development tools.

The manager, the one responsible for the IT area of the Águas Quentes Country Club Resort showed me the directions I needed to complete my tasks.

The MultiClubes system was developed to substitute an old Cobol system that still survived and managed the club.

Creation of the application database using Microsoft SQL Server.

Implementation of source code and business logic using the C# programming language.

02/2002 to 12/2002 - Aesthetic Clinic Management System

Best final project during High school + Computer Technician graduation (2002)

Additional
information

As a geek I am an enthusiast of technology in all forms it is presented and my strongest desire is to make a difference constructing and implementing IT infrastructures and constructing software products and services used by millions of people every day.

My biggest dream is to work in a top technology company. Since I've begun my graduation in Computer Engineering my constant thought has been to get a position in a company that is attractive.

My future plans are: apply for a master's degree and a PhD's degree, both in the Computer Engineering and Computer Science fields. These plans can be rethought depending on the opportunities of life.