

# Diogo Barros

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## RESUME

### PERSONAL DETAILS

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### – EDUCATION

Finishing 2008 - Post-graduate Course in Oil and Gas Engineering at Fluminense Federal University. Rio de Janeiro (RJ), Brazil

2008 - Master of Science on the Industrial Engineering pos-Graduate Program at Rio Grande do Norte Federal University. Natal (RN), Brazil

2004 – Bachelor’s degree in Computer Engineering at Rio Grande do Norte Federal University. Natal (RN), Brazil.

1996 - Senior Graduation - Perry High School, Perry - MI, USA

### – PUBLICATION

“*Aspectos de segurança em sistemas SCADA, uma visão geral*” – Control & Instrumental Magazine (Revista Controle & Instrumentação) – Ed. 104 – May 2005.

“Uma visão geral sobre segurança na interligação de redes *corporativas e redes industriais*” – *IT Congress, exposition and cases*, Rio de Janeiro, RJ – Brasil – May 2005

“Aspectos de segurança em sistemas SCADA, uma visão geral” - Automation, Systems and Instrumentation South America Show (ISA Show – South America), São Paulo, SP – Brazil – November 2004

“Stochastic Modeling in 3D of Fluvial Channels using Petbool Software for the Viabilization of Special Oil Wells at Environmentally Protected Area in the Northeast of Brasil” - Second Meeting on reservoir simulation, Universidad Argentina de la Empresa – November 2002

### – WORK EXPERIENCE

**Since May 2006** - Strack – Consulting & Engineering

*Responsibilities:*

Engineer responsible for the coordination and inspection of some Metering Stations, like ElPaso's oil and gas meters stations (at the Potiguar Basin, northeast of Brazil), and work on the development of operational procedures, automation and instrumentation projects and SCADA systems.

Also act as a measurement and application engineer on projects, audits and commissions at onshore and offshore facilities, for companies like Sonangol (Sociedade Nacional de Combustíveis Angola) and its patterns (Exxon, BP, Chevron e Total) in Angola, ODS and SBM in Dubai and many others in Brazil (like Saipem, Elpaso and Petrobrás).

**Jan 2005 - May 2006 Centro de Tecnologia do Gás – CTGAS (Natural Gas Technology Center)**

*Responsibilities:*

Responsible for the project development of the new automated flow meter calibration manifold and its SCADA system (system (using fieldbus, hart and modbus equipments) for the Gas flow meters calibration Lab, and development of operational procedures, uncertainty calculations sheets and metrological studies applied to flow measurement.

**Nov 2002 - Nov 2004 Self-employed at Natal Jogos On-line LTDA**

*Responsibilities:*

General management of network and IT department. Also involved in Strategic Planning, recruitment and human resources management

**Jan 2000 - Jan 2002 - Geology department at the Federal University of RN**

Scientific Initiation Scholarship

Realization of stochastic simulations to the development of experimental technology in oil well perforation.

**Feb 1998 – Feb 1999 State Department of Industry, Commerce, Science and Technology, Rio Grande do Norte State, Brazil**

Industrial Technological initiation scholarship

Assistance at the coordination of Science and Technology.

**– ADDITIONAL SKILLS**

Portuguese: Native speaker

English: Reading (Fluent), Listening (Fluent), Writing (Fluent), Speaking (Fluent)

Spanish: Reading (Fluent), Listening (Intermediate), Writing (Basic), Speaking (Basic)

**– OTHER TRAINING**

- Spirit Innovative Technologies. eXlerate training course for application engineers. Nov 2008; Netherlands.
- IBP – Brazilian Petroleum Institute. Liquid and Gas Fiscal Measurement. 18 – 20/06/2008.
- ISA - The Instrumentation, System and Automation Society / District 4 (South America) Gas measurement systems training. 02 - 04/05/2006
- CTGás - Centro de Tecnologia do Gás, ISO IEC 17025:2005 (General Requirements for the Competence of Calibration and Testing Laboratories). 03/03/2006
- Industrial Automation, fieldbus Foundation, modbus, hart and PLC programming;

**– ADDITIONAL SKILLS**

Fluid measurement, standards and regulations;

Familiar with various computer Operational systems (Microsoft, linux and Unix), some program languages (Delphi, C, C++, C#, PHP and web) and some database (SQL Server, Microsoft Access, MySQL, PostgreSQL).

Advanced level in Office suits like MS office and Open Office.

Other computer skills like Network Security, Network and system administration, hardware support and maintenance.