Career interest areas: System Engineer / Project Manager

**QUALIFICATIONS PROFILE**

**Skills summary:**

**●** System Engineer (4 Years of Experience): requirements management, Verification & Validation and definition of interfaces, strategic and critical thinking. Project structure definition in DOORS. Work delivered across disciplines, at diverse project stages and at different product levels.

**●** Product Engineer (6 Years of Experience): design and performance verification with respect to customer requests. Support, definition of reports, tests and certification requirements throughout all the V-Model steps of product lifecycle. Project planning, execution and control.

**●** Thermal Engineer (3 Years of Experience): finiteelements modelling (also from technical drawings files), transient and steady state thermal analysis and post-processing of results.

**●** Structure and materials design and analysis (including conditions outside nominal).

**●** Project management by PMBOK.

**●** Hydraulic flow network modelling and optimization.

**●** Use and calibration of optical and power measurement instruments, digital oscilloscopes, accelerometers, transducers and pressure controllers. Tests definition and set up.

**●** Data and video acquisition and elaboration systems, analysis of test data.

**●** Advanced static and dynamic simulation techniques.

**Computer skills:**

**●** Basic programming in PL/SQL, Visual Basic, C, DXL.

**●** Advanced use of Windows-based tools: IBM Rational DOORS, Cognition Cockpit, Enterprise Architect, MSC Marc, PATRAN, Primavera P6, Orcaflex, Deeplines, Pipesim.

**Education:**

**●** MBA at “Fundação Getulio Vargas” (Mark: 9.26/10), Rio de Janeiro, 2011.

**●** Aerospace Engineering Degree (Master of Science) “Politecnico di Milano” (Space specialization; mark 89/100), 2003.

**●** Chartered engineer accreditation (Italy), 2003.

**●** Technical diploma of Quantity Surveyor, “Maurizio Quadrio” institute, Sondrio, 1996.

**Further courses:**

**●** INCOSE SEBoK (ASEP certification due by end of 2019)

**●** Product safety, export control, project scheduling, Primavera P6; Rolls-Royce, 2017.

**●** Six Sigma White Belt Certification; Aveta Business Institute, 2016.

**●** Project management, team management, leadership, accounting, cost management; FGV Online, 2011.

**Spoken languages:**

# ● Italian Mother Tongue

**●** English, French, Portuguese Fluent

**●** Spanish, German Intermediate

**●** Russian Basic

**PROFESSIONAL EXPERIENCE**

# SYSTEM ENGINEER (as an external/contractor)

**07/2019 *Ceres Power, Horsham, U.K.***

**01/2020** Multi-level requirements and interfaces definition and management, plus VoC and FMEA.

**03/2019 *Thales Air Traffic Management, Milan, Italy***

**07/2019** Whole project requirements final review. Personalised DOORS training given to employees.

**09/2017 *Leonardo Helicopters, Samarate, Italy***

**11/2018** Managed interfaces and requirements verification at all levels, giving design and efficiency enhancement and slashing project costs. Acting as reference point for five project managers.

Defined whole project structure for first DOORS usage at Airframe Systems department.

**03/2017 *Rolls-Royce plc, Derby, U.K.***

**09/2017** Delivered World’s most efficient Aero Engine by increasing efficiency from previous series.

* Accomplished, as Chairperson, regular multi-disciplinary reviews of System Requirements and Definition Documents for complex systems (including subsystems).

# PRODUCT ENGINEER

**07/2011 *Technip, Rio de Janeiro, Brazil***

**10/2016** Detailed product design and verification (by interfacing with factory and customers).

Dynamic simulation and analysis, through *Deeplines* and company’s own software.

* Managed chronograms and achieved scheduled milestones for diverse projects, having full engineering responsibility.

# PROJECT ENGINEER

**01/2011 *2H Offshore Projetos, Rio de Janeiro, Brazil***

**07/2011** Delivered full results set of global dynamic analyses on huge marine risers and buoys system.

# EBSILON SOFTWARE SPECIALIST / SALES ENGINEER

# 04/2010 *Evonik Energy Services (now Steag), Rio de Janeiro, Brazil*

**11/2010** Presented the product and given lectures to international potential customers.

* Written and accomplished PMBOK-based Project Plan to sell power plant simulation software.

# THERMAL ENGINEER (as a contractor)

**02/2008 *Siemens Industrial, Lincoln, U.K. - MTU Aero Engines, Munich, Germany***

**07/2009** Updated Secondary Air System flow model for industrial gas engine SGT-300.

* Delivered (after redesign) two turbine casing PATRAN thermal models and its full results.

# SYSTEM ENGINEER (as a contractor)

**02/2007 *Sonaca, Gosselies, Belgium***

**02/2008** Delivered Flight Test Request/Ground Test Request instructions for A400M Wing Anti Ice System. Finalised wing root rib vibration tests and production flow tests at laboratory.

* Finalised A400M WAIS Verification and Validation as well as System Interface Documents.

# ANTI ICE SYSTEM / THERMAL ENGINEER

**10/2005 *Alenia Aermacchi (now Leonardo Aerostrutture), Venegono Superiore, Italy***

**02/2007** Nacelle Anti Ice System design and performance verification; detailed thermal modelling using SINDA / G and FEMAP. Completed Icing tunnel and flight tests plans and reports.

* Introduced new modelling procedures directly starting from 3D drawings and delivered three full models for different aircrafts.

**SENIOR PROGRAMMER**

**02/2004 *Accenture Technology Solutions, Milan, Italy***

**10/2005** Reached Senior Programmer level in just one year starting from scratch.