Scientific Computing and Numerical Simulation Engineer

Nathanaël Muot PhD.
LinkedIn: *nathanaelmuot*
Twitter: *@NathanaelMuot*
Email: *nathanael.muot@gmail.com*
Phone: +33(0) 6 20 21 47 38
Adresse: Strasbourg France (remote and mobile)
40ans (1983)

Skills

- Creative Thinking, Analytical, Teamwork, Leadership, Speaker, Dyslexic Advantage
- Applied mathematics, Algorithms, Modeling, High-performance computing (HPC)
- Electromagnetic, Simulation, Signal processing, PDE, Wave Equations
- Product manager, Project manager, Strategy, Multi-skilled team leader
- Software development, Life cycle, Quality assurance, Agile development, CI, CD
- Linux, Windows, Python, C, C++, Fortran, Julia, Git, Emacs, Jupyter, VSCode

Work Experience

2019-today   **Operation & Software Quality Assurance (SQA) Manager** at *AxesSim*

Guarantee the smooth running and execution of projects. Production management (R&D, Advanced development and studies). Sustaining the business over the long term (customer satisfaction, customer needs, product global vision). Budgeting and management. Long term strategy.

2017-today   **Software Quality Assurance (SQA) Manager** at *AxesSim*

Improved software production process focusing on customers.

2014-today   **Project leader** at *AxesSim*

Project leader in several national joint R&D projects (industry and academic), dual (civil and defense).

2010-today   **Scientific Programmer** at *AxesSim*

Computer scientist and applied mathematics engineer in C, C++, Python, Fortran on electromagnetic and EMC field.

2010-2013   **PhD student** à *ONERA* and *AxesSim*

Education

2010-2013   **PhD in Physics and Applied Mathematics** at *[Institut Supérieur de l'Aéronautique et de l'Espace (ISAE)][issue]* Archie HAL

2005-2009   **Ingénieur Télécom** at *[IMT Atlantique (anciennement TELECOM Bretagne)][MIT]*

2008-2009   **Master recherche SISEA** at *IMT Atlantique (anciennement TELECOM Bretagne)*

Hobbies and Interests

Community work: The Shifters members (EVCO local point of contact), Hop La Transition - Comprendre pour Agir

Readings   Eclectic scientific reading, and great classical French literature.

Sports   cycling to work and jogging.

Hobby   I like to spend some time with my children at the water's edge to fish.