

## PERSONAL INFORMATION

## Iñaki Ortiz de Landaluce Sáiz

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Sex Male Date of birth 30/11/1976 | Nationality Spanish

## CANDIDATE SUMMARY

Senior Scientific Software Engineer with 20+ years of experience working for the European Space Agency in many different projects.

Expert in science data processing following data engineering standards and processes. Broad experience within the European Space Agency leading the digital transformation of scientific data lakes and its further data dissemination to the scientific community. Past member of international alliances to foster data interoperability among different national space agencies and institutions.

State of the art technology enthusiast focused on bridging the gap between science and technology. Special interest in emerging fields like AI/ML and Quantum Computing.

## WORK EXPERIENCE

06/2021 – TODAY

**Science Data Engineer (RHEA for European Space Agency, ESA)**

System engineering, architectural design and software development. Scientific data extraction, transformation, load, storage and visualisation.

2014 – 06/2021

**Science Data Processing Engineer (SERCO for European Space Agency, ESA)**

System engineering, architectural design and software development. Data orchestration and scientific data processing.

2002 - 2014

**Science Data Lake Engineer (SERCO for European Space Agency, ESA)**

System architecture design and development. Software analysis, design, implementation, test, validation, integration and maintenance.

2000 - 2002

**Software Engineer (IBM)**

Software development and integration.

## EDUCATION AND TRAINING

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- 2022-2023 **Postgraduate degree in Quantum Engineering**  
Universidad Politécnica de Cataluña (UPC)
- 2022 **Qiskit Global Summer School 2022**  
Quantum Computing, Simulations, Error Correction, Qiskit  
IBM
- 2021 **Deep Learning Specialization**  
Deep Learning, Computer Vision, Sequence Models  
Coursera/deeplearning.ai
- 1994 - 1999 **MSc in Physics**  
Universidad Complutense de Madrid (UCM)

## PERSONAL SKILLS

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**LANGUAGES(S)** English (C2/Proficient user) and Spanish (native)

**COMPUTER SKILLS** Java, Python, R, HTML/CSS, JavaScript, SQL, MySQL, PostgreSQL, Docker, Git, Maven, Jenkins, SonarQube, Agile/Scrum ... and many more!

**SOFT SKILLS**

- Excellent communication and interpersonal skills.
- Experience working in international and multicultural environment.
- Self-motivated and fast learner with creative problem-solving ability.
- Work well under pressure, autonomously and as a team member.
- Leadership, team building, technical coordination.
- Planning and organizational skills.

**JOB-RELATED SKILLS**

- Almost two decades of expertise within the European Space Agency, ranging from data archiving to data processing and science operations planning,
- Deep experience in System Engineering, System Architecture design and development, Software analysis, design, implementation, test, validation, integration and maintenance.
- Data-driven Software Engineer with particular interest in data analysis, visualisation and scientific computing.
- Deep scientific background, MSc in Physics (Astronomy and Astrophysics)

**PERSONAL INTERESTS**

- Quantum Computing
- Quantum n-body physics applied to deep neural networks
- Quaternions in computer graphics
- Relativistic ray tracing
- Triathlon, trekking, yoga and basketball
- Literature