



Talent driven
culture.

Systems Architect – Space Sector (Portugal)

Ref.^a T20264

Our client is a company focused in unlocking earth observation's full potential to understand our planet and transform it for the better. They work alongside with their partners, using their high quality imagery and analytics expertise to extract insights that help making the right decisions.

We are looking for a **Systems Architect** to be integrated in **Portugal**, reporting to the **Innovation Department**.

Location: Lisbon, Portugal

Work Regime: Hybrid

Accountabilities:

The ability to work on call is required. The duties and responsibilities of the job include, but are not limited to:

End-to-end system architecture design:

- Define scalable architectures for the generation, processing, and delivery of Earth Observation (EO) data products, including VHR imagery and derived analytics.
- Ensure consistency across space segment → ground segment → data exploitation layers.

Data pipeline and platform design:

- Define data lifecycle management (storage tiers, cataloguing, lineage, retention).

Cloud / hybrid infrastructure definition:

- Design architectures leveraging cloud-native (AWS/Azure/GCP) and/or on-prem HPC environments.
- Optimize for:
 - Latency
 - Cost efficiency (storage + compute trade-offs)
 - Scalability (multi-mission, multi-sensor ingestion)

Integration and interoperability

- Define API-first architectures for integration with:
 - GIS platforms (e.g., ArcGIS)

If you meet the above requirements, please send your application via email: lgoncalves@qsr.consulting with reference to T20264_Rec_Systems Architect – Space Sector.

- External data sources (IoT, AIS, weather APIs)
- Ensure compliance with OGC standards

Performance, reliability, and security

- Define SLAs and KPIs
- Implement DevSecOps and SRE principles

Requirements & Qualifications:

MSc or PhD in:

- Aerospace Engineering
- Remote Sensing / Geomatics
- Computer Science / Data Engineering

Additional Training Desirable:

- ISO 9001 (quality management systems)
- DevSecOps / Secure Software Lifecycle
- Site Reliability Engineering (SRE)
- Cloud certifications (AWS / Azure / GCP Architect)
- OGC / Geospatial standards training

Experience:

- A minimum of 2 to 5 years of experience in a similar role.
- Proven experience in designing distributed EO data systems (from ingestion, processing to delivery).
- Cloud or hybrid architectures handling large-scale geospatial data.
- Experience with EO processing chains and integration of multi-source data (satellite + auxiliary datasets).
- Highly desirable experience European EO Space Project or Defence/ISR-related project.
- Highly desirable knowledge on EO products validation.
- Experience replaces training.

Technical Skills:

- Data Systems Architecture, including distributed system design and big data frameworks.
- Cloud and Infrastructure development.
- Software integration.
- (Desirable) AI/ML pipelines integration.
- (Desirable) Earth Observation domain understanding (optical sensors, imagery processing).
- Familiarity with satellite constellations and data fusion processes.

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Soft Skills:

- Strong analytical and systems-thinking capability.
- Ability to operate at strategic and technical levels simultaneously.
- Effective communication with both technical and non-technical stakeholders.
- Leadership in multidisciplinary and high-performance teams.
- Decision-making under uncertainty (architecture trade-offs).

Languages:

- English (mandatory)
- Spanish

Observations:

- This role is not purely IT architecture; it requires deep EO domain knowledge.
- Strong emphasis on end-to-end thinking, from satellite acquisition to user-facing services.
- Critical position for enabling new EO-based products and digital twin platforms.

Offer:

- Career development opportunity.
- Wage package appropriate to the presented experience.
- Access to various benefits such as training academy, health insurance, among others.

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