

dotOcean – Data Architect

In this role, you will define and oversee the implementation of secure, scalable, and high-performance data solutions—specifically tailored to defense applications such as mine warfare. With a strong emphasis on **data-centricity**, you will ensure that critical data is delivered to the right consumers, at the right time and place. Operating in a defense context, your solutions must also uphold the highest standards for handling **classified information** and maintaining strict **security and privacy compliance**.

Reporting to both the Project Manager and R&D Manager, you will play a key role in shaping a resilient and future-proof data infrastructure that meets both technical and operational demands.

Your Skills

Key responsibilities

- **Design the architecture** for various platform components, including integration processes, data lakes, data warehouses, secure environments, data catalogs, and advanced analytics solutions (AI, machine learning).
- Lead the definition of conceptual data models and **ensure seamless implementation** across the technical architecture.
- Establish master data management (MDM) processes and ensure optimal repository management.
- Oversee the selection of appropriate tools and technologies for data acquisition, storage, quality management, and visualization, ensuring scalability in cloud or on- premise environments.
- **Define and implement strategies** for backup, archiving, and disaster recovery based on both business needs and cost optimization.
- Ensure that the proposed architecture **complies with data security, privacy regulations** (e.g., GDPR), and is **well-documented**.

Key Competencies

- **Innovative Thinking** – Fosters a culture of innovation and develops a strategic vision for continuous improvement.
- **Strategic Alignment** – Connects data, processes, and technology with business objectives to drive sustainable growth.
- **Leadership** – Leads cross-functional teams and optimizes systems for maximum efficiency and effectiveness.
- **Problem-Solving Ability** – Identifies opportunities, challenges the status quo, and transforms innovative ideas into scalable solutions.
- **Data-Driven Approach** – Creates a culture where data and technology are leveraged for continuous process improvement.
- **Quality Focus** – Implements and maintains systematic quality standards to ensure accuracy and reliability.
- **Coaching & Mentoring** – Guides and inspires others to enhance quality awareness and precision in their work

Technical Competencies

- **Bachelor's degree** in a related field, with a minimum of **3 years of experience in data architecture**.
- Proven **experience** in designing and implementing data warehouses and analytical platforms.
- **Strong knowledge of data modeling techniques** and experience developing conceptual data models.
- Familiarity with **data security practices** and GDPR compliance.
- Experience with cloud data solutions and the ability to develop strategies for migrating components to cloud environments.
- Hands-on experience with SQL Server, SSIS, SSAS, SSRS, and preferably SAS.

What we offer

- At dotOcean, you'll work with the **latest technologies** in autonomous systems, automated operations and cloud technology.
- We're a growing team focused on **collaboration, coaching and personal development**. And yes, there's always laughter!
- We foster an open environment where **active listening and the sum of all parts** are valued. You'll grow both professionally and personally.
- After a week of hard work, we often head to the café to **unwind**. Our **party committee** also organizes fun activities and events.
- With 40-hour workweeks and 12 additional vacation days per year, we ensure you have the **perfect work-life balance**.

<https://dotocean.eu>