



Job Position

Lead Engineer

Job Name: Lead Engineer / Project Manager

Report to: Executive Director

The Data Observatory (DO) Foundation is a public, private, and academic open innovation and data-science-driven non-profit organization established by Presidential Decree 164 on December 27th, 2018. The DO's vision is to be at the vanguard of data-centric innovation, leading in the production of data-centric solutions, world-class research, talent, and social capital for the Latin American region. The DO's mission is to extract value from datasets of global value acquired and generated in or for the Latin American region; enable their maximal exploitation by the global scientific community, industry, and the public; and facilitate data access, analysis, exploration, visualization, and governance. The DO fosters the collaboration between industry, academy, and government in science, technology, knowledge, and innovation.

Under the direct supervision of the DO's Executive Director, the incumbent will be responsible for developing solutions throughout their whole life cycle, with a strong focus on data-centered solutions over cloud infrastructure. Starting from the conceptual design, architecture, final design, construction, and delivery of solutions; identifying the requirements in terms of human resources, technological needs, security requirements, and data management. The incumbent's primary responsibilities will be:

Main responsibilities

- Coordinate and plan, together with the Executive Director, the execution and development of projects, identifying the priorities and orientation of the solutions and areas of development.
- Determine the project's scope and objectives, ensure that all stakeholders are aligned with them, making the corresponding proposals.
- Predict and reserve the resources needed to reach the objectives, managing them efficiently and effectively.
- Coordinate the engineering time at the DO to achieve all project goals.
- Prepare budgets, together with the engineering team, based on the scope of the work, the resource requirements, and the time constraints.
- Track projects to ensure their timely delivery and costs that meet budgets.

- Develop and manage detailed project schedule and work plan.
- Provide project updates to the Executive Director consistently, as well as to various stakeholders for specific projects.
- Manage projects making sure all stakeholders know about strategy, adjustments, and progress.
- Utilize industry best practices, standards, and techniques through project execution.
- Monitor progress of the different projects in which the DO is involved, measure their performance, and identify areas of improvement.
- Contribute to enhancing and improving Data Observatory services.

Qualifications:

- Degree in Computer Science, Information Technology, Engineering Management, Management Information Systems, or related areas.
- 4+ years of experience in project management and related experience in software projects and cloud infrastructure.
- Proven ability to solve problems creatively and with a customer focus.
- Strong familiarity with project management tools, like software, SDLC methodologies (Agile, SCRUM, etc.), and best practices.
- Proven experience of seeing projects through their entire life cycle and completing projects according to the outlined scope, budget, and timeline.
- Strong analytical skills.
- Excellent interpersonal skills and resourcefulness, with great communication and presentation skills in Spanish and English.
- A Project Management Professional certification is a plus.
- Good understanding of software engineering best practices such as code reviews, source control management, build processes, testing, deployment, release, and change management.
- Self-motivated, team player, able to take initiatives, act independently in a fast-paced environment, and adapt to change and competing demands.

If you want to know more about the Data Observatory, visit us at
<https://www.dataobservatory.net/>

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