



Job Position

Cloud Development and Operations (DevOps) Engineer

Job Name: Cloud Development and Operations (DevOps) Engineer

Report to: Lead Engineer

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 <Executive Committee>, the incumbent will be responsible for developing, implementing, and operating AWS cloud infrastructure. We expect the applicant to be able to design infrastructure, maintain it, give support and planning, and everything in between for the different projects.

Main responsibilities

- Design, plan, and implement cloud infrastructure solutions that balance simplicity, standards, scalability, extensibility, supportability, security, and integrity.
- Build solutions that solve complex problems, scale globally, guarantee performance, and enable breakthrough innovations,
- Manage and develop cloud application solutions (DevOps), including planning, design, development, and milestone control based on agile methodology, ensuring that projects produce the required results and deliverables on time and budget.
- Implement cost-optimized cloud infrastructure and application solutions (based on usage, business requirements, and budget).
- Regularly evaluate existing cloud infrastructure technologies to identify opportunities for improvement.

- Provide forward-thinking technology leadership in developing innovative solutions with a strong emphasis on continual improvement in automating our infrastructure and software release processes.
- Report to the Engineering Director project status, cloud resources, costs used, and forecasts.
- Contribute to enhancing and improving Data Observatory services.

Experience:

- Degree in Computer Science, Information Technology, Engineering, Engineering Management, Management Information Systems, or related areas.
- 3+ years of experience implementing cloud solutions (cloud infrastructure, setting components, networking, user tools, controlling operation) and a proven track record of building complex infrastructure.
- Good understanding of software engineering best practices such as code reviews, source control management, build processes, testing, deployment, release, and change management.
- Experience with architecting and maintaining high availability production systems.
- 3+ Experience with Agile and DevOps concepts Developing monitoring architecture and implementing monitoring agents, dashboards, escalations, and alerts.
- Excellent communication and presentation skills in Spanish and English.
- Holding an AWS DevOps Engineer – Professional certification is a plus.

Skills

- Strong understanding of AWS concepts and AWS cloud management experience is a must.
- Profound knowledge in various scripting languages (Python, R, and others), system & AWS cloud infrastructure administration and mass system deployments.
- Experience with back-end technologies for web applications/APIs.
- Experience in a cross-functional team facing role or working within a team at an enterprise to optimize AWS cloud spending.
- Good knowledge of cloud security (SAML, OAuth, OpenID, Kerberos, Policies, entitlements, etc.) applied to data.
- Self-motivated, team player, able to take initiatives, and act independently in a fast-paced environment.
- DevOps attitude - this is about culture, not only tooling.

If you want to know more about the Data Observatory, visit us at

<https://www.dataobservatory.net/>

email: recruiting@dataobservatory.net