DevOps Engineer

Job ID: 2019-6 **Location:** Madrid, Spain **Job Type:** Full Time, Permanent **Annual salary:** € 30,000-50,000

Context and background:

Nommon is a research-intensive technology company that provides information, quantitative analysis and decision support tools for the transportation market. Our products and services are built on three main pillars: (i) big data processing and spatio-temporal data analysis; (ii) complex systems modelling and data-driven simulation; (iii) information visualisation and visual analytics. Nommon's commercial operations are organised into four business units:

- Kineo Analytics, which analyses anonymised geolocation data from mobile devices (e.g., mobile phone records) to provide mobility and travel demand information.
- Transport & Mobility, which provides specialised transport consultancy services, with particular focus on new, emerging mobility concepts and technologies, such as Mobility as a Service and Connected and Autonomous Vehicles.
- Aviation, which provides products and services for the planning and management of airports, airlines and air traffic management systems.
- New Businesses, which explores and develops opportunities in other verticals such as smart cities & urban planning, retail & geomarketing, logistics & supply chain, and energy & environment.

As part of our expansion plans for the coming years, we are looking for a DevOps Engineer (0-10 years' experience) to join our Technology and Software Engineering department in Madrid.

Job description:

The candidate will join a multidisciplinary team working in a variety of R&D and consulting projects. His/her main responsibilities will include:

- Cooperate with our product development teams in data analytics projects to achieve reliable and scalable solutions, automate new workflows and integrate them into Nommon's infrastructure.
    - *Main technologies: Docker, shell scripting and microservices.*
- Monitor, manage and maintain the performance of our computing, storage and networking infrastructure.
    - *Main technologies: AWS, Ansible, UNIX, Pfsense, monitoring and benchmarking tools.*
- Develop and test methods, algorithms and tools for the integration, management and analysis of data originated from multiple distributed sources.
    - *Main technologies: Python, PyUnit, Pandas, Cython, Spark and MongoDB.*
- Contribute to all stages of the software life-cycle: requirements, design, coding, testing, deployment and maintenance.
    - *Main technologies: software design patterns, UML, Jenkins and SVN.*
- Contribute to the definition of innovative products, services and business models.

Qualifications and skills:

Required:

- MSc in Computer Science or equivalent.
- Understanding of modern web architectures, distributed systems, data processing and storage solutions.
- Proficiency in one or more of the following programming languages: Python, Java, C/C++.
- Solid knowledge of UNIX and Windows administration and shell scripting.
- Excellent English and Spanish oral and written communication skills.

Nice to have, but not indispensable:

- Experience/knowledge in the design, implementation and optimisation of data transformations using Spark or Hadoop.
- Experience/knowledge in setting up and maintaining cloud computing services.
- Experience/knowledge in software engineering processes, procedures, methodologies and tools.
- Experience/knowledge in continuous integration and configuration management tools.

To apply for this position, please email your CV and a copy of your academic transcript along with a covering letter to rrhh@nommon.es with the subject '2019-6 DevOps Engineer'.

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