ROLE: DevOps Engineer

The company

NOVA specializes in numerical modeling and simulation of clinical trials for biotech and pharmaceutical companies, academic research centers and non-profit organizations.

We help our clients unleash the potential of combining math, computer science and biology to reduce the risks associated with R&D of new treatments for the benefit of patients.

Leveraging years of experience in in-silico modelling and the collaborative work of our team of biologists, doctors, clinicians, mathematicians and computer scientists we are currently building our Jinkō SaaS platform. Our vision is to make it the first integrated clinical trials simulation platform, combining powerful knowledge management, modeling and simulation tools dedicated to the medical research community.

Technology-wise Jinkō is based on a modern Cloud-based infrastructure (Kubernetes, Docker, Ansible, AWS, GitLab) and code stack (Haskell, NodeJS, VueJS, Python). It has been designed from the ground up with a modular approach where components are self-contained, stateless, and operate under strict adherence to the Separation of Concerns paradigm.

Your mission and main responsibilities

You are a DevOps Engineer with in-depth technical understanding and demonstrable experience of Cloud engineering and applied security concerns. You'll participate in NOVA's DevOps daily-life: managing Cloud and on-prem infrastructure, participating in the growth of our DevOps approach, assisting both technical and non-technical teams with their needs and keeping all of it secure and stable.

Requirements and Qualifications

➔ .You are curious about sciences, eager to continuously learn and use modern Cloud and DevOps related technologies.

➔ You are eager to work with a team of innovation enthusiasts in various fields of expertise: beside skilled DevOps practitioners, you will also work along with developers, biologists, data scientists and applied math engineers.

➔ You will be involved in the design and architecture decision process of a scientific SaaS platform and you will participate in the project daily life: code review, testing, knowledge sharing, teamwork…

➔ You have a grasp of IT security issues. You are curious or experienced about IT security processes, solutions and standards in a Cloud-based infrastructure.

- ➜ You will bring to the team your expertise to ensure quality and resilience of the systems you are in charge of by using automated test methodology and state of the art quality process (acceptance test, services & network failure simulation, load and stress, automated upgrade, backup recovery testing, etc.)

- ➜ You will manage and operate a growing Cloud and on-premise infrastructure. You'll write Infrastructure as Code, implement CI/CD & deployment processes, automate redundant tasks, maintain existing frameworks, operate applications & infrastructures and ensure feedback is provided to concerned people.

- ➜ You will provide tools, methods, processes and assistance to other teams so as to make them autonomous in the management of their products and/or projects from Build to Production. ("you build it, you run it")

Technologies & Languages

We are looking for someone who knows most of the following technologies and practices:

- ➜ Kubernetes & Helm
- ➜ Docker / Other container runtime
- ➜ Infrastructure as Code: Ansible / Other
- ➜ Testing & debugging tools

- ➜ DevOps practices and culture
- ➜ Linux administration / Bash scripting
- ➜ Versioning tools (Git / other)

You have some experience or are eager to learn/work with:

- ➜ AWS (EC2, IAM, CloudFormation, EKS…)
- ➜ GitlabCI
- ➜ Nix / Bazel
- ➜ Prometheus & Grafana / Elasticsearch & Kibana
- ➜ Cryptography

- ➜ Mongodb / PostgreSQL
- ➜ Haskell / Typescript / Python
- ➜ GraphQL / REST
- ➜ Networking

Contact:
recruitment@novadiscovery.com

Apply:
https://www.novadiscovery.com/job-offers.html

Location:
Lyon, France - partial remote possible