



## DevOps Engineer

Optibrium is a growing technology company dedicated to developing software to guide decisions involving complex, uncertain data in an intuitive way. Our primary product, StarDrop, is focused on the pharmaceutical industry, helping scientists to reduce the time and cost of designing better medicines. As part of our exciting plans for future product enhancement and growth, we are looking to recruit a DevOps engineer to support ongoing project and greenfield development work. We use modern technologies and workflows to develop Machine-Learning-as-a-Service products analysing large volumes of chemical and biological data. This enables our customers to target the best compounds and focus experimental resources on the most valuable measurements.

### Main Responsibilities

We are looking for someone with strong Python development skills and a passion for Development Operations to support existing DevOps work and product growth. Compared with traditional Operations roles, you will spend a large amount of time developing, testing and deploying Python server applications. The role will suit a Python developer looking to move into DevOps or an experienced DevOps engineer looking to use their strong coding skills. While this particular mix of skills is uncommon, and it is not expected that an applicant will have experience in all areas, ongoing career development, including training and certification opportunities, will be available.

### Experience and Skills

The ideal candidate will have the following experience and skills:

#### Essential

- Advanced Python programming and packaging experience, including: setuptools/buildtools, behave, pytest, flask, WSGI servers, flake8, NumPy, Pandas and SciPy
- Deep understanding of docker build and distribution strategies
- Experience developing Kubernetes applications with deployment via Helm charts

#### Beneficial

- Experience developing Infrastructure as Code with Terraform and Ansible
- Understanding of AWS resources, including: Control Tower, EKS, EC2, ALB/ACM, S3, IAM, VPC and Security Groups
- Development of pipelines as code using Jenkins and essential GitOps
- Strong Git skills, including understanding Gitflow and PR based peer-review workflows
- Previous experience with automated integration testing in CI/CD pipelines using Gerkin/Cucumber/Behave
- Advanced Linux server maintenance and debugging skills
- Firm understanding of Network engineering, specifically the risks and outcomes of running and operating virtual machines behind customer firewalls

#### Personal

- You are innovative, self-motivated, dependable and enjoy problem-solving
- You possess effective communication skills and would thrive in an environment where scientific rigour underpins all stages of the development process
- You enjoy sharing technical know-how and are happy to adopt a mentoring role where appropriate
- You are based in the UK and able to visit the Cambridge office as needed

If you're interested in joining a growing, entrepreneurial team working in an exciting field, please apply with a CV and covering letter to [vacancies@optibrium.com](mailto:vacancies@optibrium.com) (unsolicited applications from agencies will not be accepted).

### Background

Founded in 2009, Optibrium has headquarters in Cambridge, UK, with offices in Boston, US. Optibrium continues to develop new products and research novel technologies to improve the drug discovery process. Optibrium works closely with its broad range of customers and collaborators, including leading global pharma, agrochemical and flavouring companies, biotech, and academic groups.