



Cloud Platform Engineer Job Description

Company background

Map of Ag is a global pioneer in agricultural analysis and modelling technology. We provide expert knowledge and insight to agriculture and food chain industries from our offices in the UK, Argentina and New Zealand.

Providing access to intelligently sourced data and information from farms, we enable businesses within the agriculture industry and food chain to maximise the impact of planning and decision-making.

Map of Ag enables partners to generate insight and gain knowledge of industry trends by talking directly to farmers and, more specifically, to address targeted questions which are relevant to businesses.

Role

We are actively seeking a skilled Cloud Platform Engineer to work alongside our Platform teams to deliver a fully automated, highly available, secure and scalable, global cloud platform. The role brings together development and operations, with the responsibility for ensuring the operational integrity and delivery of the company's platform solutions within the DevOps philosophy.

Responsibilities include:

- Work closely with the Platform teams to develop the Map of Ag AWS architecture that delivers a secure, efficient and cost-effective core platform.
- Maintain the core platform and monitor key metrics to pro-actively resolve issues before they impact our clients.
- Manage code repositories and deployment pipelines to provision a scalable, global cloud platform.
- Promote the DevOps philosophy within the business to automate testing, builds, and monitoring (Infrastructure as Code).
- Use automation and scripting to maintain and upgrade core services.
- Work with the Platform team to improve security, best practices and working standards within Platform.
- Maintain and monitor backups and perform regular disaster recovery fire drills.
- Provide documentation and guidance in the effective use of AWS.
- Keep up to date with new technology and create Proof of Concept systems/environments for technology that could be relevant to the business.

- Some out of hours/holiday/weekend may be required.

This role would best suit a Cloud Platform Engineer with over 4 years of relevant experience working with AWS.

Reporting

You will report to the Head of Systems.

Profile Sought

Essential:

- Experience with Cloud hosting environments, especially AWS: Cloud Formation, Code Pipeline, EC2, RDS, Lambda, etc.
- Building and maintaining Production, Development and QA environments deployed from a centralised code repository.
- Documentation (such as deployment processes, maintenance of system operations and integrity, and disaster recovery) .
- Familiarity with available Service Architectures (including Micro Service Architectures) and their management and delivery
- Solid programming skills (ideally Python)
- Understanding of common web application architectures
- Familiarity with network protocols - TCP/IP, HTTP, SSL, etc
- Experience working to security standards such as ISO 27001
- Displays strong analytical and problem-solving abilities with attention to detail
- Highly collaborative, team player with excellent interpersonal skills
- Takes ownership of solutions and responsibility for ensuring service security and availability
- Excellent technical written and verbal English

Desirable:

- Experience with Docker and Jenkins
- Automated testing
- Experience of release management
- Experience configuring, managing & troubleshooting different types of servers (particularly Ubuntu and AWS Linux) and databases (including Postgres/Mongodb)
- Configuration management tools like Puppet, Ansible, Chef
- Experience debugging a complex multi-server service
- Working within a product-centric environment
- Installation and management of open source monitoring & logging tools (e.g. Nagios, ELK, Prometheus)
- Experience with command line tools and automation tools (e.g. BASH)



Location

The Cloud Platform Engineer will be based out of our Oxford office.

Compensation

As per the offer letter.

