Infrastructure Ops Engineer

About Metrikus

- Founded in 2019, Metrikus has a global presence with a London HQ

- Smart building software that aggregates and transforms data from the built environment for enterprise customers

- We provide actionable insights through our new SaaS platform we are developing for our partners and customers to view in our application or via our APIs making spaces more productive, efficient, and sustainable

You will be joining our Product and Engineering teams based in the UK and mainland Europe. We're evolving into a highly reliable, connected platform for Smart Buildings, we're now adding various traits which are required for our software and solutions use cases, such as :

- Space and Occupancy management
- Indoor Air quality
- Energy monitoring and reporting
- Business Intelligence for real-estate
- ESG performance

All of that requires a solid service-oriented architecture, robust & scalable infrastructure.

The Role

We're working in an Agile team structure, with squads focused on value workstreams for the product. We are implementing a dual agile approach, with a lean roadmap model.

The squads are focused on key work streams that align to team OKRs and Product Vision goals. This role will be part of a central service supporting the squads across the DevOps process and InfraOps requirements. The key areas of focus are:

- Infrastructure design, management and configuration
- Infrastructure as Code (IAC)
- DevSecOps process and management

For such a setup to work, we need very strong engineers with experience in both DevOps (infrastructure automation) & infrastructure operations.

As an InfraOps/DevOps Engineer at Metrikus, your primary responsibility will be to manage our Microsoft Azure Cloud and architecture to include our build, testing and production infrastructure in Microsoft Azure, across four environments.

This will include; maintaining and managing the Secure DevOps process and tooling, such as Azure DevOps, Harness or similar. You will be responsible for troubleshooting and fixing issues in the pipelines and production environment, while also ensuring that best practices are followed.

You will use pipelines and scripting (bash, Azure CLI) and Infrastructure-as-code (IaC) tools such as Bicep/Terraform/Terragrunt to manage all the infrastructure, considering disaster recovery and multi-region deployments.

In summary, your role in a growing team is primarily focused on two key areas : InfraOps and DevOps : as a InfraOps/DevOps Engineer this will involve managing build and testing infrastructure in Azure DevOps, automating custom tasks using pipelines, scripting, and Python, and creating, managing, monitoring, and testing resources in an automated way. You will also embrace the "Everything-as-Code" philosophy to automate as much as possible and ensure best practices are followed.

By doing so, you will help streamline the development process and improve efficiency across the organisation.

Key Responsibilities

- Maintain and optimise Azure-based infrastructure using Bicep, Terraform (or similar), and ensure it is ready to scale
- Help design, implement and maintain CI/CD workflows with Platform Team - currently using Harness
- Run/organise internal security audits and prepare for external ones
- Promote the DevOps mindset within the Engineering team as well as the entire company
- Update and improve our process documentation & playbooks relating to DevOps
- Maintain our monitoring, alerting, and incident management tooling
- Manage external penetration tests, and support volumetric & performance tests
- Run regular business continuity tests, including backup recovery tests & full data centre disaster scenarios

Key Requirements

- 3+ years of maintaining Microsoft cloud infrastructure with tools
- Passion for and experience working with IAC business practice
- Proven experience with Microsoft Azure, Configuration and Optimisation, to include excellent technical documentation skills, be able to create architecture, security and technical documents for internal and external use.
- Being exposed to products backed by microservices + event hubs handling high amounts of load & data (such as IoT, Building Management Systems, Cloud to Cloud APIs)

Technical know-how:

- Harness or Azure DevOps, Git, build agents
- bash, Azure CLI
- Kubernetes, Helm, Docker
- Python / Go
- Terraform or Bicep
- IaaS / PaaS / SaaS models
- CI/CD and related methodologies
- Setting up and supporting CI/CD environments
- Recommend Azure configuration and optimisation
- Managing and automating Azure cloud environment