

Lead DevOps Engineer

Information, Systems and Change

Overview	
Role Purpose	Working in partnership with the business, you'll be critical in contributing to the whole software development lifecycle, using your technical skills in microservices, 'DevOps' and reusable Web Components. You will work in an agile way and be responsible for leading the design and implementation of application builds & releases, deployments and configuration activities. You'll find yourself working on a wide range of projects working with the latest technologies. You'll be an internal expert adviser providing excellent strategic technical advice to the organisation and be relied upon for providing complete software delivery automation solutions.
Responsible for	<ul style="list-style-type: none"> • Implement secure and scalable cloud platforms to support software development. • Maintain and automate CI/CD pipelines for applications and systems. • Keep the cloud platform secure and optimised. • Assisting Head of Software Engineering in planning, guidance and direction to the team. • Assume a high level of ownership of all work developed by members of the team. • Guide, coach and mentor other members of the team.
Reports to	Head of Software Engineering
Line management	DevOps Engineers
Tier	5
Level	Team Manager
Role relationships	
Internal	Architects, Development/Scrum Teams, Project Managers, Technical and Business Analysts, Product/Process Owners, and Business Users
External	3 rd party solution and service providers.

Role accountabilities	
	<ul style="list-style-type: none"> • Specify and deploy appropriate management tools to monitor the health of software artefacts. • Be responsible for and own the creation and maintenance of roadmap of products to ensure they meet business requirements and applications are compliant, up to date and have a forward plan for upgrades and usage • Implement continuous integration and delivery pipelines • Accountable for making incremental changes and continuously improving software artefacts, release products in a managed way, fix bugs and maintain products. • Design and build scalable infrastructure solutions • Develop and maintain a repository of scripts and templates for automating infrastructure deployment • Optimise resource utilisation to reduce costs while maintaining application performance

Role accountabilities

- Implement monitoring and alerting for applications and infrastructure
- Implement security best practices for applications and infrastructure
- Identify and implement improvements in software architecture and design that increase reliability, scalability and performance
- Participate in code reviews and contribute to the development of reusable code libraries
- Design and implement disaster recover solutions and backup and restore procedures
- Create runbooks to standardise operations and troubleshooting procedures
- Implement change management processes to minimise risk during deployments
- Ensure that systems meet regulatory requirements for data protection, privacy and security

People Management

- Manage DevOps engineers and other related resources contracted or seconded to work on projects. Ensure that staff are properly trained and able to perform their duties and stick to our internal processes.
- Delegate tasks and work requirements to team members ensuring clear responsibilities, deadlines and deliverables are understood.

General

- Ensure you follow the financial regulations, policies and procedures at NHG.

Ensure that you follow relevant Health and Safety policies and related procedures, keeping up to date with changes and taking action to maintain personal health and safety and that of others.

The tasks and responsibilities outlined above are not exhaustive; the post holder may undertake other duties as is reasonably required.

To do the job well, we have outlined the knowledge, experience, and skills you need to do the job.

Personal Specification

Professional expertise (know how & experience)

Essential

Experience of cloud technologies preferably Azure Platform

Experience of release and deployment tools ideally using Azure DevOps

Experience of micro services and containerisation architecture

Substantial experience of scripting languages such as PowerShell scripts, YAML, Python

Desirable

JS frameworks such as ReactJS or similar and an understanding of HTML and CSS

C#

REST API

<p>Experience of azure automation using arm templates</p> <p>Strong networking knowledge (VNet, CDN, DNS, LB, gateways)</p> <p>Experience of Linux, Windows Server, Azure SQL Server, Azure Storage, CosmosDB</p> <p>Experience in cloud security management (IAM, Security Groups, certificates & key management)</p> <p>Experience with logging, monitoring and alerting platforms such as app Insights</p> <p>Distributed source control i.e. GIT</p> <p>Experience of working within an Agile and Scum team</p>	
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Skills

Essential	Desirable
<p>Strong understanding of DevOps principles</p> <p>Knowledge of security best practice with regards to automated testing</p> <p>Excellent problem-solving skills and ability to diagnose complex technical issues.</p> <p>Ability to collaborate and influence across both technical and non-technical stakeholders, resources and teams.</p>	

Qualifications and/or professional membership

Essential	Desirable
<p>Bachelor's degree in computer science or equivalent experience.</p>	

NHG Values and Behaviours

NHG Values and Behaviours serve as a guiding framework for our staff and helps us understand how our values should be visible in everything we say and do. They outline what we expect from our staff at different levels across the organisation.

This role is an **TEAM MANAGER** level and therefore you should refer to the **TEAM MANAGER** behaviours in addition to this role profile.

The full list of NHG Values and Behaviours is available on our external job site page and intranet, Milo.

You'll be assessed on the knowledge, experience, skills, and expectations criteria at various stages throughout the selection process.

Safeguarding **(delete if not relevant)**

Any appointment to this post is conditional upon and subject to:
(delete as appropriate)

- Basic certificate (criminal record check) issued by the Disclosure and Barring Service (DBS)