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| **Title: DevOps Engineer** | **Band**: **2** |
| **Department: Head Office – IT Development**  **Location: Birmingham** | **Last updated: January 2020** |

**1. Purpose of the role:**

Leading the ongoing implementation of Continuous Integration (CI) and Continuous Deployment (CD) of pipeline technologies within the development strategy.

Supporting the development team by automating other areas such as the creation of different environment types.

Leading the development of technology environments within the transformation of Unity’s digital services and solutions.

Designing the architecture and deployment, implementation and ongoing support / enhancement of Unity’s technology environments.

**2. Responsibilities:**

• Lead efforts to automate CI and CD pipelines, sharing knowledge throughout the technology teams

• Architect, develop, implement and support new cloud-based environments to support Unity’s Technology strategy

• Collaborate with the development and technology teams to understand infrastructure requirements

• Perform the technical elements of Unity’s software releases when necessary, working closely with the technology teams and business stakeholders

• Help to identify, create and/or implement processes or products to assist in, support and manage releases

• Set up and manage monitoring of server and application environments

• Understand deployment scripts, debug where required and perform log analysis

• Mentor and assist developers, technical employees and other stakeholders where required

• Understand the charging model for cloud services. Tag resources to ensure accuracy of billing reports.

• Contribute to the technology selection process and make sure we use the right technology at the right time, balancing cost, benefit and risk in decision making

• Review solutions and ensure that they have been designed to scale, are secure and make best use of our environments

**3. Organisational fit** (structure chart attached separately if necessary)

Reports to Head of Technology Development.

**4. Parameters of the role**

**5. Risks and controls**

* Ensures that treating customers fairly is at the heart of everything we do, both personally and as an organisation. This is achieved by consistently operating to the highest ethical standards aligned to the founding principles of the Bank, as well as understanding that the Bank will at all times seek to protect its reputation.
* Continually reassess the operational risks associated with the role and inherent in the business, taking account of changing economic or market conditions, legal and regulatory requirements, operating procedures and practices, people reorganisation and the impact of new technology. This is achieved by ensuring that all actions take account of the likelihood of operational risk occurring and by addressing any areas of concern with line management and/or the appropriate department.
* Adheres to, and is able to demonstrate adherence to, internal controls. This is achieved by adherence to all relevant procedures, keeping appropriate records and by the timely implementation of internal or external audit points and any issues raised by the external regulators.
* In conjunction with Risk and Compliance function, adhere to the Bank’s Policies and Procedures by containing Compliance risk (this embraces all relevant financial services laws, rules and codes with which the business has to comply). This is achieved by adhering to all relevant processes/procedures and by liaising with the Risk and Compliance function about risk events at the earliest opportunity. Also, when applicable, by ensuring that adequate resources are in place and training is provided, fostering a Compliance culture and optimising relations with the Regulators.

**Role subject to regulatory approval**: No

**Other requirements specific to the role -**

**Person profile**

• Energetic, passionate, pragmatic with an innovation mindset

• Excellent communication skills

• Ability to motivate others and provide a positive and inclusive environment

• Good self-management and organisational skills

• Ability to juggle multiple projects and priorities

• The ability to work to tight deadlines while choosing the appropriate level of automation for the type of project/environment

• Demonstrable attention to detail

• Demonstrates our core values and beliefs

• Knowledge of latest industry developments

**PERSON SPECIFICATION**

(E = essential D= desirable)

**Professional qualifications**

Relevant Professional Qualifications (D)

**Knowledge requirements (and how this is typically gained)**

* Technical experience of:
* building CI pipelines for web applications using a common platform, preferably Azure DevOps (experience with TeamCity, Jenkins, CircleCI, CodePipeline a plus) (E)
* building and supporting platforms in public cloud services, preferably Azure (AWS experience a plus) (E)
* Infrastructure as Code, preferably Hashicorp Terraform or Azure ARM templates (D)
* Desired State Configuration, preferably PowerShell DSC (Chef, Puppet or Ansible experience a plus) from manifests in YAML or JSON. (D)
* Extensive systems administration of LAMP and Windows environments (E)
* Scripting in a common language such as Bash, PowerShell, Python (D)
* Source control with Git on one of Github, Bitbucket, GitLab, Azure DevOps repos (E
* Good technical understanding of web services, APIs and microservices architecture (E
* Solid understanding of TCP/IP networking concepts and major protocols (E
* Implementation of redundant/high availability solutions (D)
* Good understanding of the full software delivery life-cycle using Scrum (D)
* Experience of working within regulatory environments /Financial Services (D)
* Good experience of: (D)
* Cloud services - Azure (any AWS experience a positive)
* Docker (any Kubernetes a positive)
* IIS / Azure App Services
* Node.js / modern front-end stack
* Bash
* Python
* Monitoring and Logging (Application Insights, DataDog, New Relic)

**Skill levels required (see Skills Framework)**

**LEVEL**

|  |  |
| --- | --- |
| **LEADERSHIP** | **2** |
| People and stakeholder management skills are critical to this role, communications both verbal and in writing must be excellent |  |
| **CUSTOMER SERVICE & SALES** | **2** |
| Proven Customer Service skills, channel management expertise ability needed - preferably via online business development channels |  |
| **SYSTEMS/IT SKILLS** | **4** |
| Highly competent analytical skills, able to interpret data /research |  |
| **PROCESSING SKILLS** | **4** |
| Strong skills in report writing and presentations |  |