BC HOUSING

JOB DESCRIPTION
BCGEU

1.Position No. 81500	2. Descriptive Working Title Platform Technology Engineer		3. Present Classification SA5
4. Department Information Technology	5. Branch/Section Corporate Services	6. Proposed Classification	Date Jun 2020
7. Position No. of Supervisor 81499	8. Descriptive Work Title of Supervisor Manager, Platform Engineering		9. Classification of Supervisor Excluded Mgmt

10. Job Summary:

Reporting to the Manager Platform Technology Services, the Platform Technology Engineer focuses on providing administration of the organization's platform/middleware solutions on-premises and in Public Cloud and on providing administration of DevOps processes within the organization by leveraging automation tools and applications including services available in Public Cloud. The position will engineer automation for provisioning, build deployment, software configuration, continuous integration, continuous delivery, and release engineering processes.

11. Duties:

1. Administers and operates the organization's platform/middleware technology on-premises and in Public Cloud. Partakes in the migration of on-premises applications to Cloud Infrastructure and Platform services

2. Develops, administers and operates the organization's DevOps solution, including:

   a. Maintaining containers and orchestration environment
   b. Building, maintaining and scaling platforms to support software development lifecycle environments (e.g. Dev, Test, Production)
   c. Maintaining a continuous integration and continuous delivery pipeline

3. Maintains and monitors the runtime operations of production applications deployed on platform/middleware technology and takes appropriate measures to ensure availability of critical applications; makes recommendations for system configuration changes to meet business needs.

4. Performs system administration tasks as required to support applications in production. Conducts debugging as required and makes recommendation to IT Managers. Logs calls to software vendor's support for program fixes and monitors progress toward resolution

5. Participates in implementations of new applications and support of existing applications and technical support for system interfaces.

6. Researches and analyses capabilities of existing and emerging technologies and provides recommendations for exploiting technological improvements or IT practices where opportunities exist.

7. Upholds change management procedures and functions and where necessary partners with application developers and network administrators to implement system changes

8. Serves as technical resource on project teams as needed, meeting with and coordinating programming activities with clients.

9. Provides helpdesk support as required including responding to incidents and requests and troubleshooting reported issues.

10. Prepares training materials and delivers technical training for new applications as required.

11. Participates in writing test plans. Coordinates unit and end user testing as required.

12. Contributes to the development of transition plans to cover evolution of system implementations from project state to sustainment.

13. Performs a variety of other IT related duties and take on project assignments as needed.

14. Performs other related duties that do not affect the nature of the job, including participating on project task teams or assisting with special assignments.

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81500	Platform Technology Engineer	SA5
4. Education, Training and Experience		

Degree or diploma in Information Technology, Computer Science, Engineering or other relevant discipline.

Minimum three years' experience administering, configuring and supporting mission-critical corporate applications in a complex IT environment.

Minimum two years experience with DevOps tools running and maintaining automated CI/CD pipelines.

Experience working with Public Cloud infrastructure, platform and DevOps services such as AWS, Azure, etc.

Experience with version control software and job execution tools.

Experience with application logging, monitoring, performance management

Experience with web application environments, such as TCP/IP, SSL/TLS, HTTP, DNS, routing, load balancing, etc.

Extensive experience with Microsoft Office applications including Word, Excel, Access, Powerpoint, Project and Visio

Or an equivalent combination of education, training and experience acceptable to the employer.

5. Knowledge and Skills

Core Competencies:
- Personal Effectiveness
- Communication
- Results Oriented
- Teamwork
- Service Oriented

- Practical working knowledge in building CI/CD pipelines using DevOps tools and techniques. Understanding in the following technologies or equivalent:
  - o Docker
  - o Kubernetes
  - o Bash
  - o PowerShell, Python
  - o JSON, YAML, XML
  - o Jenkins, Puppet, Chef, Ansible
  - o StarTeam, TFS
- Practical working knowledge deploying applications and containers utilizing infrastructure and platform services in Public Cloud such as:
  - o AWS
  - o Azure
  - o Google Cloud
- Practical working knowledge in the following technology platforms:
  - o Oracle WebLogic, RDBMS
  - o Java/J2E, Oracle ADF
  - o .NET / SQL Server
  - o Linux

- Proficiency in Windows operating systems and familiarity with UNIX and LINUX
- Strong communication, interpersonal, organizational, analytical and problem-solving skills
- Ability to identify, diagnose and troubleshoot complex problems related to technology
- Ability to create and update technical and user manual documentation
- Ability to work effectively within a team made up of business users and technical analysts
- Ability to work effectively with minimal supervision
- Ability to generate and articulate new ideas and adapt effectively to new technologies
- Ability to excel working under pressure to meet deadlines and changing priorities
- Ability to exercise good judgment in dealing with matters of a confidential nature
- Ability to plan, facilitate and coordinate the execution of complex sets of activities

| 6. Occupational Certification |