1. Position No. Various	2. Descriptive Working Title Application Developer		3. Present Classification SA5
4. Department Information Technology	5. Branch/Section Corporate Services	6. Proposed Classification	Date Jan 2021
7. Position No. of Supervisor 80820, 80642, 80662, 80650, 80023	8. Descriptive Work Title of Supervisor Manager, Business Applications Development Manager, IT Programs		9. Classification of Supervisor Excluded Management
10. Job Summary:			

Reporting to the Manager, Business Applications Development or Manager, IT Programs, the Application Developer is responsible for analyzing, designing, developing, testing, and maintaining software applications to support the achievement of business objectives. He/She/They researches, documents, and modifies software throughout the system life cycle. The incumbent works closely with internal departments to provide technical support to the end user community and resolve system performance issues.

11. Duties:	**Focus of duties may vary depending on portfolio assigned.**

1. Designs and assists managers in developing business-tier components, web applications and database objects for both internal and external audiences; analyses functional requirements provided by IT Business Application Development Managers and IT Business Systems Analysts (BSAs); collaborates with business support resources to deliver viable system solutions; takes on all aspects of the development life cycle including analysis, development, performance management, systems testing, deployment and post-deployment support.

2. Reviews business requirements and translates functional specifications into technical specifications; develops applications, data warehouses, system interfaces/integration and operational reports. Provides impact analysis and estimates to support managers in planning; ensures quality control standards are met; creates and maintains system documentation; provides release notes and migration documents to ensure smooth transition through the development life cycle. Works closely with IT Data Integration & Analytics team, BSAs and business users to ensure data quality within the systems.

3. Provides 2nd level technical support to helpdesk and BSAs for end user community including responding to incidents, requests and troubleshooting reported issues. Logs calls to software vendor's support for program fixes and monitors progress toward resolution.

4. Performs unit and integration testing on all developed code – creates and executes unit and integration tests within development lifecycle. Supports Quality Assurance team in developing testing strategy.

5. Serves as technical resource on project and operations teams as needed, collaborates with system administrators to identify, diagnose and resolve application performance issues. Researches new technologies and provides recommendation on purchase or implementation.

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

1. Position No.	2. Descriptive Working Title	3. Present Classification
Various	Application Developer	SA5

4. Education, Training and Experience

Bachelor's Degree in Information Technology, Computer Science, or Engineering from a recognized post-secondary institution.

Considerable development experience in small to medium projects, IT solutions and services, designing operational reporting applications, interacting with project managers, business analysts, as well as technical resources such as application development team members and users, and complete lifecycle application development projects.

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

5. Knowledge, Skills and Abilities

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

- Strong communication, interpersonal, organizational, analytical and problem-solving skills.

- Ability to identify, diagnose, troubleshoot and resolve technical issues.

- Ability to take ownership of tasks and drive them through to completion; thrives when working under pressure to meet changing deadlines due to shifting priorities.

- Ability to effectively create and update technical and user manual documentation using good technical writing skills.

- Ability to work either independently and/ or part of a cross functional software development team.

- Ability to generate and articulate new ideas; adapt effectively to new technologies.

- Ability to deal with confidential information using good judgement and discretion.

- Ability to present information effectively during presentations, demonstrations and project meetings.

Sound knowledge and familiarity with the following software and languages:

For Java focused positions:

<u>Software components</u>:
- Experience with Eclipse IDE, Ant, Maven, JDeveloper and Oracle WebLogic Server
- Designing and developing operational reports such as Oracle BI Publisher
- Application testing and debugging using Junit, Log4J and Java debugger
- Source control and branching software such as Visual Studio Team Foundation Service or Azure DevOps

<u>Languages</u>
- JAVA EE, EJB, XML, JSP, JSF, Servlets, and Struts
- Oracle PL-SQL
- Oracle ADF
- Responsive web application using HTML, CSS, JQuery and JavaScript
- Web Standards/Specifications, e.g. RESTful / Web API, MS Graph API

For .Net focused positions:

<u>Software components</u>:
- Azure Services such as Azure SQL, Azure Storage, Web App /services, Logic Apps, Power Platform, SharePoint Online and Dynamics 365
- Designing and developing operational reports using Crystal Reports or Power BI
- Source control and branching software such as Microsoft Team Foundation or Azure DevOps

<u>Languages</u>
- C#
- Responsive web application using HTML, CSS, ASP.NET Razor, Bootstrap and JavaScript
- MS SQL, experience with Azure SQL service is beneficial but not required
- Web Standards/Specifications, e.g. RESTful / Web API, MS Graph API

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6. Occupational Certification