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| **CAREER FAMILY:** Information Technology  | **CAREER SERIES:** Quality Assurance | **CAREER LEVEL:** Principal |
| **CLASSIFICATION TITLE:** Software Developer in Test (SDET)  | **JOB CLASSIFICATION CODE:** | **FLSA:** | **EEO CODE:** | **CAREER SERVICE STATUS:** |
| **CLASSIFICATION SUMMARY:** The Software Developer in Test (SDET) develops and executes automation test plans and scripts; maintains and adds to existing automation framework; evaluates test scripts for regression; trains engineers and quality assurance (QA) on test automation execution and troubleshooting; develops a thorough understanding of technology solutions and lines of business; and focuses on underlying software/programming code by actively participating throughout the software development lifecycle.  |
| **DUTIES:** * Design, develop, and maintain automation processes, test systems, and test tools to assess the quality and readiness of application, data, and/or security solutions.
* Prepare, maintain, and update test tools in the evaluation of new application, data, security, and/or technology requirements.
* Design, create, and execute automated tests.
* Execute performance and/or security/penetration testing.
* Represent QA in design, functional requirements, and code reviews.
* Reproduce, debug, and isolate problems and verify fixes.
* Perform other duties as assigned.
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| **REQUIRED EDUCATION:**Any combination of education and experience that clearly demonstrates the ability to perform the job duties of the position |
| **REQUIRED LICENSES/CERTIFICATIONS:** Some licenses, certifications, and other requirements determined to be necessary to meet the business needs of the employing unit may be required |
| **CLASSIFICATION HISTORY:**MM/YYYY - Created |