**Class 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.

**Distinguishing Characteristics**

This is a single-level classification. This classification is distinguished from the ERP Software Developer-Senior classification in that the incumbent in the ERP Software Developer-Senior is developing and leading critical and complex custom applications solutions using ERP systems-related and vendor-specific languages, tools, and/or vendor-specific architecture.

**Examples of Duties**

1. Design, develop, and maintain automation processes, test systems, and test tools to assess the quality and readiness of application, data, and/or security solutions.
2. Prepare, maintain, and update test tools in the evaluation of new application, data, security, and/or technology requirements.
3. Design, create, and execute automated tests.
4. Execute performance and/or security/penetration testing.
5. Represent QA in design, functional requirements, and code reviews.
6. Reproduce, debug, and isolate problems and verify fixes.
7. Perform other duties as assigned.

**Knowledge/Skills**

Ability to effectively engage in and sustain relationships with people from diverse cultures and socio-economic backgrounds

Ability to work independently and as a team member

Demonstrated proficiency with business applications, such as Microsoft Office suite

**Education and Experience Requirements**

Any combination of education and experience that clearly demonstrates the ability to perform the job duties of the position

**Licensing, Certification and Other Requirements**

Some licenses, certifications and other requirements determined to be necessary to meet the business needs of the employing unit may be required

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| **FLSA Designation** | Exempt (Computer Professional) |
| **Service Status** | Career Service |
| **EEO Code** | 2 |
| **Levels within same series** | None |
| **Class History** | 01/2024 - Created |