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| **CAREER FAMILY:** Information Technology  | **CAREER SERIES:** IT Engineer  | **CAREER LEVEL:** Intermediate |
| **CLASSIFICATION TITLE:** IT Engineer | **JOB CLASSIFICATION CODE:** | **FLSA:** | **EEO CODE:** | **CAREER SERVICE STATUS:** |
| **CLASSIFICATION SUMMARY:** The IT Engineer has broad technical knowledge and designs, develops, documents, tests, and debugs new and existing systems and/or software; uses standard and/or specialized languages and tools to create data and source code; maintains and documents functionality; creates sub-tasks given larger development requests; possesses functional knowledge of presentation, business, and/or data access development layers; and serves as a project team member.A **Development Technology Domain** is defined as any infrastructure, data, network, security, service, platform, enterprise business application, geographic information, software, information management, cloud and virtual computing, storage, and connectivity system in the development and/or build environment.  |
| **DUTIES*** Reconcile process and performance using proven industry methods.
* Perform root cause analysis in response to system failure.
* Expand and optimize existing infrastructure, pipelines, systems, and/or applications.
* Develop and modify functions, programs, routines, and stored procedures to extract, transform, and/or load data.
* Test and maintain information management system infrastructure.
* Follow emerging technology trends applicable to an assigned development technology domain.
* Author transition to production/operations documentation.
* Serve as an escalation point for tier 2 help requests.
* Analyze, acquire, compile, and maintain spatial and tabular data and appropriate metadata.
* Design, develop, and maintain user interfaces; build responsive web experiences across a variety of browsers and devices using current and emerging techniques.
* Apply various languages and tools that join systems; maintain quality and integrity.
* Collaborate with senior IT engineers to identify system, software, and/or data relationships and functional requirements.
* Design new systems and/or enhancements to existing solutions.
* Coach less experienced team members.
* 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 |