**Class Summary**

The IT Engineer – Senior is a subject matter expert (SME) and may be assigned to the software, business, data, infrastructure, security, and/or any emerging engineering specialty. The IT Engineer – Senior is responsible for solution design of assigned development technology domain initiatives; coordinates and monitors development projects from initiation through delivery; evaluates and recommends tools, technologies, and processes that ensure quality, performance, and reliability; applies judgement and direction requiring minimal supervision based on established standards, practices, and approaches; and serves as a SME on assigned projects.

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.

**Distinguishing Characteristics**

This is the second level in a three-level classification series. This classification is distinguished from the IT Engineer-Principal classification in that the incumbent in the Principal acts as a technical lead and influences the technical direction for an assigned development technology domain.

**Examples of Duties**

*In addition to the duties for lower-level classifications within the IT Engineer series, the IT Engineer – Senior will:*

1. Develop critical and complex systems and/or applications using various languages, tools, and/or vendor-managed platforms.
2. Partner with engineering, product, and business stakeholders across multiple agencies to design and develop solutions.
3. Manage risk and security; propose improvements to existing risk management processes; and apply security awareness.
4. Design approaches that align with requirement, architecture/design, technical, and/or end-user documentation standards.
5. Propose technical standards and procedures.
6. Follow industry trends and emerging technologies through various internal and external networks and/or sources.
7. Improve integration by designing and evaluating new interchange formats.
8. Peer review system, software, and/or data design, code, test plan, and implementation.
9. Recommend and implement tools and technology to support internal development needs; identify, design, and implement internal process improvements.
10. Serve as an escalation point for advanced and complex technical support, incidents, and service requests.
11. Contribute to the development of governance, group charters, and agreements.
12. 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** | IT Engineer, IT Engineer-Senior, IT Engineer-Principal |
| **Class History** | 01/2024 - Created |