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| **CAREER FAMILY:** Information Technology | **CAREER SERIES:** IT Engineer | | **CAREER LEVEL:** Principal | |
| **CLASSIFICATION TITLE:**  IT Engineer – Principal | **JOB CLASSIFICATION CODE:** | **FLSA:** | **EEO CODE:** | **CAREER SERVICE STATUS:** |
| **CLASSIFICATION SUMMARY:** The IT Engineer – Principal acts as a technical lead and influences the technical direction for an assigned development technology domain; applies engineering and project management experience to end-to-end project execution; leverages technical, interpersonal, and communication skills to create effective business intelligence solutions; ensures the quality of its technical deliverables; and leads an assigned development lifecycle which may include research, architecture, development, customization, testing, and release.  The IT Engineer – Principal partners closely with technical experts in defining reusable patterns, developing standards/guidelines, and creating a review process that ensures quality across the development pipeline. Additionally, the IT Engineer – Principal will own the identification of trends in their respective technical area of practice, outline Proof of Concepts (POCs), and determine the go-forward adoption of researched technologies and frameworks.  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**  *In addition to the duties for lower level classifications within the IT Engineer series the IT Engineer – Principal will:*   * Develop enterprise systems and/or applications that are efficient, secure, highly available, highly scalable, distributed, and supportable with good diagnostic and monitoring capabilities. * Collaborate on technical design, work estimation, implementation of new features, reviews, internal infrastructure, and process enhancements. * Manage multiple projects and meet aggressive deadlines concurrently. * Develop and promote shared enterprise solutions; maintain and improve existing solutions in response to business needs. * Lead and contribute to interdisciplinary teams across multiple lines of business. * Functionally contribute to organizational direction and standards by demonstrating command of multiple technical disciplines and a broad understanding of how decision-making impacts business. * Review, validate, and approve designs for technical feasibility and architectural consistency. * Develop information architecture and approve specifications across the enterprise; provide final review of products to ensure architectural consistency. * Lead, coordinate, and perform complex interface development, testing, implementation, and maintenance for systems in support of multi-user integrated applications. * Communicate, consult, and/or present to senior management, cross functional teams, and stakeholders related to solution options. * Communicate and delegate technical aspects of an assigned IT project to IT engineer team members. * Act as final escalation point for the resolution of development technology related problems. * Perform other duties as assigned. | | | | |
| **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 | | | | |