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| **CAREER FAMILY:** Information Technology  | **CAREER SERIES:** IT Production Engineer  | **CAREER LEVEL:** Principal |
| **CLASSIFICATION TITLE:** IT Production Engineer - Principal | **JOB CLASSIFICATION CODE:** | **FLSA:** | **EEO CODE:** | **CAREER SERVICE STATUS:** |
| **CLASSIFICATION SUMMARY:** The IT Production Engineer - Principal acts as a technical lead and owns the design, implementation, operation, and support of an assigned production technology domain; troubleshoots complex technical issues and mitigates risk through technical solution development; plans and configures new and emerging production domain technology in support of client requirements and King County business needs; establishes and formulates security and integrity controls, policy, procedure, and standards; and develops long-term technology strategies. A **Production Technology Domain** is defined as any infrastructure, network, security, database, service, platform, enterprise business application, geographic information, software, information management, cloud and virtual computing, hybrid, storage, connectivity, desktop, communication, middleware, monitoring, and/or reporting system in the production, operation, and/or administration environment.  |
| **DUTIES***In addition to the duties for lower level classifications within the IT Production Engineer series the IT Production Engineer – Principal will:** Oversee assigned aspects of technical projects including project scope, communications, priorities, goals, and deliverables with various stakeholders; assist with related technical issues and support of architecture needs.
* Document the designs of new and/or emerging technologies; provide in-team training on new and/or emerging technology; and ensure that appropriate documentation exists.
* Ensure the assigned production technology domain is secure using industry standards and techniques.
* Act as final escalation point for the resolution of production technology related problems.
* Identify and implement technology roadmaps.
* Develop and implement service agreements; perform periodic reviews.
* Act as a project lead for technical requirements, statements of work, contracts, proposals, studies, reports, conceptual and detailed designs, drawings, and/o documentation packages.
* Analyze and identify recurring incidents and problems; lead problem management processes to resolve.
* Communicate with, consult, advise, and/or present solution options, business process improvement, and integration of business and technical requirements to senior management, cross functional teams, and stakeholders.
* Act as a lead in change management, architectural review, and risk mitigation processes.
* 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 |