

SNOHOMISH COUNTY JOB DESCRIPTION

SYSTEMS ENGINEER 5 - DIS

Spec No. 3370

BASIC FUNCTION

Responsible for engineering, development, implementation, and documentation of hardware and software systems consistent with existing standards, methodologies and service level agreements for moderately complex systems that affect one department or large workgroup. This work is performed at the enterprise level.

STATEMENT OF ESSENTIAL JOB DUTIES

1. Applies advanced, extensive knowledge and skills in multiple integrated specialties, and contributes to the development of new knowledge related to system and server hardware, software, databases and components.
2. Manages technical issues that are extremely complex, have enterprise-wide/county wide impact, demand an exceptional amount of resources, are of exceptionally long duration and/or extremely high risk, with significant effects in multiple integrated areas. Develops solutions that are creative, effective, and stable. Designs and creates programs, data structures and reports related to the area of systems, database and system peripherals engineering.
3. Leads and mentors teams and individuals, directs or supervises staff at lower technical levels, leads small groups, is the principal advocate within the county for a particular function, represents county on technical matters in local and regional groups, and initiates significant improvements in work correlated with system and server hardware, software, databases and components.
4. Leads others in applying working knowledge of project planning, management and methodologies in projects that incorporate system and server hardware, software, databases and components.
5. Acts independently, with considerable discretion to make decisions in very complex projects and tasks. Displays an advanced understanding of complicated issues, recognizing impacts to a large number and/or wide range of users, consequences of taking risks, and short and long term implications. Considers financial and other impacts of assigning valuable resources. Initiates work to obtain desired results.
6. Demonstrates advanced, rigorous thinking skills on challenging, difficult issues. Uses thinking skills that involve analyzing, prioritizing, abandoning prejudices and previous ideas, and applying practical considerations. Delivers at an advanced level of competency in multiple specialties and roles related to the area of systems, database and system peripherals engineering.
7. Serves as a departmental spokesperson on technical matters, acts as a consultant on feasibility and implementation of existing and new technologies, and interprets for others complex information and tasks about systems, database and system peripherals engineering.

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STATEMENT OF OTHER JOB DUTIES

8. May perform any of the duties and responsibilities of all lower level positions. May perform duties at the same level from other specialty areas.
9. Performs other duties as assigned.

MINIMUM QUALIFICATIONS

A Bachelor's degree in information technology, computer science or business administration or related field; AND five (5) years of directly relevant IT experience, OR any equivalent combination of training and/or experience that provides the required knowledge and abilities. Must pass criminal background check. Must pass job related tests.

PREFERRED QUALIFICATIONS

IT certification in multiple directly related specialties preferred.

SPECIAL REQUIREMENTS

A valid Washington State Driver's License is required.

KNOWLEDGE AND ABILITIES

Knowledge of:

- the tools, standards, methods, best practices and industry trends applicable to this specialty
- project life cycles, resource and workload planning, and detailed cost/benefit analysis techniques

Ability to:

- understand and follow county and state regulations, policies, etc.
- facilitate and lead multiple team-based cross-functional work efforts that affect multiple projects
- continue to be knowledgeable about current and emerging technologies
- work well with others
- direct others in problem and technical issue resolution
- demonstrate strong written and verbal communication skills
- use personal computer technologies to enhance job proficiency
- create effective documentation
- tackle and resolve conflicts
- motivate others to perform
- interpret client needs

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SUPERVISION

The employee works independently, in a self directed fashion, with supervision comprised of occasional reviews.

WORKING CONDITIONS

The work is generally performed in typical office conditions. Customers are primarily internal at the County. Job requires frequent contact outside Department of Information Technology (DoIT). Will perform some field work in certain specialty areas. Some repetitive movements at a computer. May require occasional lifting and moving of up to 50 pounds. On-call during off duty hours and required to work evenings, weekends and holidays as necessary. May be assigned work shifts consistent with 24 hours/day, 7 days/week coverage.

Snohomish County is an Equal Employment Opportunity (EEO) employer.
Accommodations for individuals with disabilities are provided upon request.

[EEO policy and ADA notice](#)

Class Established: March 2008

Revised: September 2016

EEO Category: 2 – Professionals

Pay Grade: 780 – Information Services Salary Schedule

Work Comp: 5306 Non-Hazardous