

SNOHOMISH COUNTY JOB DESCRIPTION

SYSTEMS ENGINEER 4 - DIS

Spec No. 3369

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 knowledge and skills in multiple integrated specialties with proficiency in all job functions related to system and server hardware, software, databases and components.
2. Provides creative, practical solutions, consulting with higher level staff as needed, in a wide range of complex problems that affect a large number of users, require a large amount of resources, are of long duration and/or high risk; and designs/creates programs, data structures and reports in the area of systems, database and system peripherals engineering.
3. Regularly represents specialty area on a variety of teams; mentors, directs, leads or supervises staff at 1-2 levels below; leads small groups; and is able to shape significant positive change in work correlated with system and server hardware, software, databases and components.
4. Applies a working knowledge of project planning, management and methodologies in projects that incorporate system and server hardware, software, databases and components.
5. Acts independently, with understanding of complex issues, consequences for a large number of users, impact of using a large amount of resources, short and long term implications, and/or potentially high risk. Exercises considerable judgment in determining objectives of assignments.
6. Demonstrates understanding of advanced, rigorous thinking skills on complex issues. Displays an awareness of how to analyze, prioritize, abandon prejudices and previous ideas, and apply practical considerations. Handles assignments across multiple specialties and in roles associated with the area of systems, database and system peripherals engineering.
7. Communicates effectively with others by developing and presenting material in written, verbal and graphic format about complex issues 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. Performs other duties as assigned.

MINIMUM QUALIFICATIONS

A Bachelor's degree in information technology, computer science, business administration or related field; AND four (4) years 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 a directly related specialty is 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
- working knowledge of project planning, management, and methodologies

Ability to:

- understand and follow county and state regulations, policies, etc.
- regularly represent specialty area on various project teams
- continue to be knowledgeable about current and emerging technologies
- work well with others
- provide direction
- facilitate resolution of conflicts and difficult technical decisions
- demonstrate strong written and verbal communication skills
- use personal computer technologies to enhance job proficiency
- create effective system documentation
- communicate with others regarding potential and actual technical problems
- interpret client needs

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SUPERVISION

The employee works independently, with minimal supervision.

WORKING CONDITIONS

The work is generally performed in typical office conditions. Customers are primarily internal at the County. Job requires regular 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: February 2017

EEO Category: 2 – Professionals

Pay Grade: 777 Information Services Pay Plan

Workers Comp: 5306 Non-Hazardous