

**COUNTY OF ORANGE
MUNICIPAL/SCHOOL
JOB CLASSIFICATION SPECIFICATION**

CLASS TITLE: Senior Cloud Integration Engineer

TITLE #: 1850

DISTINGUISHING FEATURES OF THE CLASS: This position is responsible for implementing and managing a web-based service model for delivering information technology services within a school district. The incumbent provides technical solutions on cloud integration engineering problems, monitors all processes and procedures in the district wide environment. The incumbent establishes an environment that is interoperable between school and cloud based databases. Work is performed under the general direction of a designated supervisor with wide latitude for independent judgement in the performance of duties and responsibilities. Does related work as required.

TYPICAL WORK ACTIVITIES:

Registers and maintains School Interoperability Framework (SIF) for the district;

Operates and implements a Zone Integration Server, Brokered Zone or Unbrokered Zone in an SIF environment;

Reads, decodes, and debugs XML and JSON in a SIF 2.x or 3.x environment;

Establishes and configures secure handshakes between two agents;

Establishes and configures two way agents that both request and subscribe to SIF agents;

Operates and administers a cloud based environment including maintaining an O/OU based environment similar to Active Directory for all user accounts and devices;

Maintains cloud based email, printing environment and all other cloud based applications;

Registers and enrolls mobile devices into the cloud based platform;

Develops and maintains group policies for both devices and users;

Keeps abreast of the Student Data Privacy Bill to ensure that the district remains in compliance;

Designs and maintains LAN infrastructure;

Configures and manages VMWare;

Installs, configures, and maintains Cisco routers and switches;

Maintains Cisco CME;

Sets up and maintains a wireless environment in multiple schools;

Configures and maintains a wireless controller.

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FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS::

Thorough knowledge of building schematics, network diagrams, and other diagrams that represent cloud environments; Thorough knowledge of debugging and problem solving of computer issues especially related to School Interoperability Framework, the cloud environment, and the wireless environment; Good knowledge of the Student Data Privacy Bill of New York in order to keep the district in compliance; good analytical and problem solving skills; project management skills so that large technology deployments can be done; ability to establish and maintain effective information system policies; ability to present ideas clearly and effectively both orally and in writing; ability to analyze data and to formulate recommendations; ability to establish and maintain working relationships; ability to talk clearly and intelligently to vendors and represent the district in a professional manner; ability to present and communicate effectively to the Board of Education; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

Graduation from a regionally accredited college or university or one accredited by the New York State board of regents to grant degrees with a Bachelor's Degree or higher in Computer Science, Computer Information Systems or related field and possession of certification as CIW Database Design Specialist, and TIA certifications in Network+ and Security+.

ADOPTED: 5/8/15 AT