

# Enterprise Learning Management Systems Integration Engineer

## Position Details

Class Code: 1490

Job Family: Information Systems

Classification: Support Professional

Terms of Employment: [Pay Grade 62 on the Support Professional Salary Schedule](#)

FLSA STATUS: NON-EXEMPT

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## Position Summary

Under general supervision, responsible for project management and leadership in the design, development, maintenance, and support of applications and services in a multi-platform environment utilized by all Clark County School District (CCSD) schools, staff, and students.

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## Essential Duties and Responsibilities

This list of Essential Duties and Responsibilities is not exhaustive and may be supplemented.

1. Plans, schedules, and reviews the work of applications programming staff and activities.
2. Trains staff in work procedures and provides technical assistance in complex situations, as required.
3. Designs and supports highly-available and scalable services.
4. Designs, develops and implements updates & improvements to existing code base.
5. Develops and deploys new features to improve programs and services as needed.
6. Collaborates with staff, schools, departments, and CCSD administrators; contributes and provides new ideas, features and improvements in the creation and support of products and services.

7. Designs and analyzes system requirements; develops system and programming specifications for programming staff including well written and maintainable code, best practices, source control, and continuous deployment.
  8. Schedules all ongoing maintenance activities for assigned systems; reviews issues encountered by operations staff and schools/departments; analyzes efficiency of current system and procedures; and schedules modifications and enhancements.
  9. Tracks project status and reviews work in progress to ensure conformance to plans and programming standards.
  10. Maintains current knowledge of emerging technologies and computer user applications.
  11. Provides Tier 3 support and performs root-cause analysis in identification and resolution of complex issues with business of education-related software systems which may result in software modifications or vendor support tickets
  12. Provides input into the evaluation of assigned staff.
  13. Conform to safety standards, as prescribed.
  14. Perform other tasks related to the position, as assigned.
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## **Distinguishing Characteristics**

Involves project management, design, development, and support of highly integrated enterprise web application systems and services; and day-to-day leadership of activities of a project team of programming and design staff.

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## **Knowledge, Skills, and Abilities (Position Expectations)**

1. Knowledge of principles and practices of employee supervision including work planning, organization, performance review and evaluation, and employee training and discipline.
2. Knowledge of project management principles and practices.
3. Knowledge of principles and techniques for building enterprise architecture and the process of digitizing cross-functional business processes.
4. Knowledge of a service-oriented architecture and the principles, practices, and methods of parameter driven, self-service reporting interfaces and dashboards.
5. Ability to manage applications projects and coordinate project resources.
6. Ability to conduct enterprise systems and procedures analyses, and make sound recommendations for new applications.

7. Ability to analyze system requirements/issues, develop new or modified programs, and select appropriate hardware and software for system design(s) to meet department and district needs.
  8. Ability to develop detailed programming specifications and write complex computer programs.
  9. Ability to learn new languages and technologies for projects as needed.
  10. Ability to make effective verbal, written, analytical, technical, and persuasive presentations to individuals and large groups.
  11. Ability to prepare clear and concise reports, documentation, and other written materials; maintain organized and accurate records of work performed; and assist with developing training materials and programs.
  12. Ability to manage several projects and programs simultaneously and maintain high-quality service while meeting goals.
  13. Ability to exercise independent judgment within established procedural guidelines.
  14. Ability to supervise, train, and evaluate assigned staff.
  15. Ability to troubleshoot hardware and software problems and to debug programs and applications.
  16. Ability to learn operating principles and characteristics of various computers and associated computer hardware utilized by CCSD.
  17. Ability to exercise independent judgment within established procedural guidelines.
  18. Ability to work flexible hours or shifts including nights and weekends.
  19. Ability to be on call for after-hours support.
  20. Ability to develop and maintain an effective working relationship with CCSD staff/vendors, other agencies, and the public.
  21. Ability to recognize and report hazards and apply safe work methods.
  22. Possess physical and mental stamina commensurate with the responsibilities of the position.
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## **Position Requirements**

### **Education, Training, and Experience**

1. High school graduation or other equivalent, (General Educational Development [GED], foreign equivalency, etc.).
2. Bachelor's degree from an accredited college or university in Software Engineering, Computer Science, Management Information Systems, Web Programming, Multimedia Design or related fields; and, four (4) years of experience developing large scalable web-based applications using various high-level programming languages and databases (such as JavaScript, Ruby, Python, and Hypertext Markup Language (HTML)); and using enterprise database and structured query language environments (SQL) to develop applications, views, stored procedures, reports, and data extracts; and cloud services and

architecture preferably with Amazon Web Services; and support and administration of Learning Management Systems preferably Instructure CanvasLMS; or,  
Associate's degree from an accredited college or university in a related field, or two (2) years of college with a focus in Software Engineering, Computer Science, Management Information Systems, Web Programming, Multimedia Design or related fields; plus, six (6) years of experience as described above; or, Eight (8) years or more of experience as described above.

## **Licenses and Certifications**

None Specified.

## **Preferred Qualifications**

1. Proficiency in at least one language: JavaScript, Python, or Ruby.
  2. Proficiency with HTML, CSS, and JavaScript in the creation of interactive web pages and applications.
  3. Proficiency with SQL databases.
  4. Proficiency with Linux and shell-scripting.
  5. Experience with DevOps.
  6. Experience with Amazon Web Services.
  7. Experience with Learning Management Systems, preferably Canvas.
  8. Experience with Learning Tools Interoperability (LTI) integrations.
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## **Document(s) Required at Time of Application**

1. High school transcript or other equivalent (GED, foreign equivalency, etc.).
  2. College transcript(s) from an accredited college, university, or trade school, if applicable.
  3. Resume with Online Portfolio/Website URL.
  4. Specific documented evidence of training and experience to satisfy qualifications.
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## **Examples of Assigned Work Areas**

CCSD facilities – schools, administrative offices.

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## **Work Environment**

### **Strength**

Sedentary/medium - exert force up to 25-50 lbs., occasionally; 10-25 lbs., frequently; up to 10 lbs., constantly.

## **Physical Demand**

Frequent reaching, handling, repetitive fine motor activities, talking, hearing, and sitting. Mobility to work in a typical office setting and use standard office equipment. Stamina to remain seated and maintain concentration for an extended period of time. Hearing and speech to communicate in person, via video conference and computers, or over the telephone. Vision: Frequent near acuity; occasional far acuity. Vision to read printed and online materials, Video Display Terminal screens, or other monitoring devices.

## **Environmental Conditions**

Climate-controlled office setting with temperatures ranging from mild to moderate cold/heat. Exposure to noise levels ranging from moderate to loud for occasional to frequent time periods.

## **Hazards**

Furniture, office equipment, communicable diseases, chemicals and fumes (as related to specific assignment), and power/hand-operated equipment and machinery (as related to specific assignment).

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## **Examples of Equipment/Supplies Used to Perform Tasks**

Computers, peripheral devices, printers, modems, computer software and/or hardware, audio/visual presentation materials, telephones, fax machines, etc.

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## **AA/EOE Statement**

The Clark County School District is proud to be an equal opportunity employer. The Clark County School District is committed to providing all applicants and employees equal employment opportunities without regard to race, color, religion, sex, gender identity or expression, sexual orientation, national origin, genetics, disability, age, military status, or other characteristics protected by applicable law. Here at Clark County School District, we are a diverse group of people who honor the differences that drive innovative solutions to meet the needs of our students and employees. We believe that through a culture of inclusivity, we have the power to reflect the community we serve.

## **Job Revision Information**

- Created: 11/17/25