

MISSOURI DEPARTMENT OF TRANSPORTATION JOB OPPORTUNITY ANNOUNCEMENT

Date Posted: 05/31/2016
Application Deadline: Open Until Filled
Job Post ID: 8746
Job Title: Information Systems Technologist - Application Development / Intermediate
Information Systems Technologist - Application Development / Senior
Information Systems Technologist - Application Development
Min Monthly Salary: \$3,150.00 / \$3,506.00 / \$3,907.00
Number Positions: 1
Location: 105 West Capitol Avenue, Jefferson City, MO
District/Division: Central Office / Transportation Planning Division
Human Resources Contact Number: 573-751-2923

Notice: This is a **COMPUTER PROGRAMMING and SOFTWARE DEVELOPMENT** position. Please review the **Special Working Conditions/Job Characteristics** section of this job announcement which lists in detail the qualifications, skills, and knowledge necessary for this position. **NEW GRADUATES ARE ENCOURAGED TO APPLY.**

Substitution of experience for the education requirement will be considered.

Substitution of education for the experience requirement will be considered.

Waiver of minimum requirements may be considered.

General Summary:

--- Information Systems Technologist - Application Development ---

The information systems technologist performs routine entry-level activities in the areas of application/program development and computer system support for end users, including program debugging, server maintenance, information system management for software applications, problem diagnosis/resolution, and communications. Responsibilities are performed under direct supervision.

--- Intermediate Information Systems Technologist - Application Development ---

The intermediate information systems technologist performs varied and moderately complex activities in the areas of application/program development and computer system support for end users, including program development/debugging, server maintenance, information system management for software applications, problem diagnosis/resolution, and communications. Responsibilities are performed under moderate supervision.

--- Senior Information Systems Technologist - Application Development ---

The senior information systems technologist performs varied and complex activities in the areas of application/program development and computer system support for end users, including program development/debugging, server maintenance, database creation/maintenance, information system management for software applications, problem diagnosis/resolution, and communications. Responsibilities are performed under general supervision.

Minimum/Required Qualifications:

--- Information Systems Technologist - Application Development ---

Bachelor's Degree: Computer Science, Computer Information Systems, Business Administration, Mathematics, or related field.

--- Intermediate Information Systems Technologist - Application Development ---

Bachelor's Degree: Computer Science, Computer Information Systems, Business Administration, Mathematics, or related

field.

Two years of experience in computer systems, repairs, and operations.

--- Senior Information Systems Technologist - Application Development ---

Bachelor's Degree: Computer Science, Computer Information Systems, Business Administration, Mathematics, or related field

Four years of experience in computer technical development, program management, and/or system administration networking.

Supervisory Responsibilities:

--- Information Systems Technologist - Application Development ---

None

--- Intermediate Information Systems Technologist - Application Development ---

None

--- Senior Information Systems Technologist - Application Development ---

Lead Worker Only

Special Working Conditions/Job Characteristics:

--- Information Systems Technologist - Application Development ---

This is a computer programming and software development position.

Preference is given to candidates who are experienced programmers.

This position will support, maintain, develop and use several enterprise applications and tools such as .Net, Oracle PL/SQL, and ArcObjects.

Knowledge of ESRI products, Oracle Spatial, and LRS is preferred.

The preferred candidates will provide examples of self-motivated learning and productivity.

Ability to adapt, multi-task and work within tight deadlines is critical.

Job requires some occasional evening hours and weekend work.

Job requires occasional, statewide, overnight travel.

--- Intermediate Information Systems Technologist - Application Development ---

This is a computer programming and software development position.

Preference is given to candidates who are experienced programmers.

This position will support, maintain, develop and use several enterprise applications and tools such as .Net, Oracle PL/SQL, and ArcObjects.

Knowledge of ESRI products, Oracle Spatial, and LRS is preferred.

The preferred candidates will provide examples of self-motivated learning and productivity.

Ability to adapt, multi-task and work within tight deadlines is critical.

Job requires some occasional evening hours and weekend work.

Job requires occasional, statewide, overnight travel.

--- Senior Information Systems Technologist - Application Development ---

This is a computer programming and software development position.

Preference is given to candidates who are experienced programmers.

This position will support, maintain, develop and use several enterprise applications and tools such as .Net, Oracle PL/SQL, and ArcObjects.

Knowledge of ESRI products, Oracle Spatial, and LRS is preferred.

The preferred candidates will provide examples of self-motivated learning and productivity.

Ability to adapt, multi-task and work within tight deadlines is critical.

Job requires some occasional evening hours and weekend work.

Job requires occasional, statewide, overnight travel.

Examples of Work:

--- Information Systems Technologist - Application Development ---

- Uses programming languages/tools to develop application code, scripts, graphical user interfaces and other application components.
- Prepares application documentation, including user manuals, operations procedures, and technical and testing documentation.
- Discusses program needs with users or prospective users; develops technical specifications, input/output layouts, program flow diagrams, data models and other technical deliverables required for application development.
- Assists in coordination and planning with department personnel, management team, committees, and other agencies to recommend solutions for current or future application needs and systems compatibility issues.
- Writes, tests, documents, and updates configurations, installations, upgrade procedures, and operator instructions for software applications, servers, and workstations.
- Provides information system support to end-users relative to problem solving; analyzes and diagnoses problems relative to the equipment; instructs the user on operating the system.
- Installs, maintains, troubleshoots, and repairs all software applications, operating systems, new products, and hardware for servers and workstations.
- Maintains an inventory of automation equipment; receives and ships equipment to and from the Central Office and vendors.
- Contacts vendors for technical support, product information, to report system problems, and resolve issues.
- Develops, coordinates, schedules, and conducts software application training classes.
- Performs other responsibilities as required or assigned.

--- Intermediate Information Systems Technologist - Application Development ---

- Develops data dependent applications by performing design, coding, testing and implementation activities; provides information system support to end-users relative to problem solving; analyzes and diagnoses problems relative to the equipment; and instructs the user on operating the system and application programs.
- Documents database guidelines, standards, policies, and procedures for operational personnel, applications programmers, and end users.
- Consults with department personnel, management team, committees, and other agencies to recommend solutions for current or future application needs and systems compatibility issues.
- Writes, tests, documents, and updates configurations, installations, upgrade procedures, and operator instructions for software applications, servers, and workstations..
- Evaluates, configures, installs, maintains, troubleshoots, and repairs all software applications, operating systems, new products, and hardware for servers and workstations.
- Maintains an inventory of automation equipment; receives and ships equipment to and from the Central Office and vendors.
- Contacts vendors for technical support, product information, to report system problems, and resolve issues.
- Maintains and enhances communications, including host communications, gateways, bridges, routers, communication servers, network adapters, and modems.
- Develops ad-hoc reports as requested by department personnel.
- Performs other responsibilities as required or assigned.

--- Senior Information Systems Technologist - Application Development ---

- Develops data dependent applications by performing modeling, analysis, design, coding, testing, and implementation activities; oversees daily network needs of backups, installations, virus detection, file maintenance, and user and server administration; ensures network and telecommunication systems are operational; and diagnoses and schedules necessary repairs on system equipment.
- Documents database guidelines, standards, policies, and procedures for operational personnel, applications programmers, and end users.
- Serves as a liaison by coordinating and planning with district personnel, division personnel, work groups, and other agencies to recommend alternative solutions for current or future automation needs and to discuss automation issues.
- Develops programs for data feeds/extracts required for reporting, data integration between various systems and for

data warehousing applications.

- Writes, tests, documents, and updates configurations, installations, upgrade procedures, and operator instructions for software applications, database applications, servers, and workstations and application development.
- Evaluates, configures, installs, maintains, troubleshoots, and repairs all software applications, operating systems, new products, and hardware for servers and workstations.
- Contacts vendors for technical support, product information, to report system problems, and resolve issues.
- Maintains and enhances communications, including host communications, gateways, bridges, routers, communication servers, network adapters, and modems.
- Assists with development of cost estimates, proposals, budgets, plans and status reports for projects.
- Performs lead worker responsibilities, which may include providing general instruction, assigning and reviewing work, coaching and training, providing guidance and instruction in the proper and most efficient methods of accomplishing tasks, and providing input to the direct supervisor on staffing decisions and performance management.
- Performs other responsibilities as required or assigned.

In order to be considered for this vacancy please go to the Missouri Department of Transportation [Employment Application System \(EAS\)](#) and submit an on-line application. Applications, and if applicable transcripts, must be received by no later than 11:55 pm of the closing date listed on the advertised vacancy.

Equal Employment Opportunity / Affirmative Action Employer, M/F/D/V