



CLASS TITLE | SENIOR SOFTWARE DEVELOPER

PAY GRADE: IT-36 | www.cityoftulsa.org/pay

Class Code: 3533

Effective Date : 5/25/2022

PURPOSE OF THE CLASSIFICATION: Under direction assists with the development and testing for internal and external custom applications and provides maintenance support for information technology applications; and performs other related assigned duties.

ESSENTIAL TASKS:

- Responds to special user requests and/or project assignments
- Performs moderately complex programming
- Performs elementary systems design and analysis
- Responds to application problems
- Designs and implements user interfaces.
- Must report to work on a regular and timely basis

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential tasks.

QUALIFICATIONS:

Training and Experience: Must meet one of the following options or an equivalent combination of training and experience per Personnel Policies and Procedures, Section 128:

1. (a) Completion of sixty (60) hours from an accredited college or university; **and**,
(b) Five (5) years of experience relevant to the essential tasks listed in this job description; **including**,
(c) Specialization in one of these areas (.NET Core, Angular, React, or JavaScript frameworks), with the ability to implement and design in that area
2. (a) Completion of one hundred twenty (120) hours from an accredited college or university; **and**,
(b) Three (3) years of experience relevant to the essential tasks listed in this job description; **including**,
(c) Specialization in one of these areas (.NET Core, Angular, React, or JavaScript frameworks), with the ability to implement and design in that area

Knowledge, Abilities and Skills:

Knowledge of:

- Considerable knowledge of methods, procedures and practices of programming for appropriate information technology environment
- Considerable knowledge of the operation and use of data processing and data communications
- Good knowledge of web server management
- Good knowledge of at least two generally recognized computer languages and proficiency in one
- Good knowledge of server-side processes, service development, and server management
- Good knowledge of HTML and client-side scripting; knowledge of encryption technology
- Knowledge of responsive web design
- Knowledge of version control

Ability to:

- Ability to work independently and to recognize, analyze, and solve complex programming problems
- Ability to document work
- Ability to analyze issues and to formulate sound concepts



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- Ability to train others in basic programming work or related activities
- Ability to effectively communicate both verbally and in writing
- Ability to create and conduct technical presentations
- Ability to understand and influence the behavior of others within the organization, customers, or the public in order to achieve objectives and cause action or understanding

Skill in:

- Skill in Microsoft SQL Server Development

Physical Requirements: Physical requirements include arm and hand steadiness and finger dexterity enough to use a telephone; occasional lifting up to 50 pounds; occasional carrying up to 40 pounds; occasional pulling up to 5 pounds; may be subject to extended periods of walking, standing, sitting, reaching, balancing, bending, kneeling, handling, feeling, climbing, smelling and twisting; vision, speech and hearing sufficient to perform the essential tasks.

Licenses and Certificates: Possession of the following:

1. A valid Class "D" Oklahoma Driver license

WORKING ENVIRONMENT: Working environment is primarily indoors, with some traveling to various City locations to provide computer related assistance.

EEO Code: N-02

Group: Engineering, Planning, and Technical

Series: Inspection