Job Specification

Job Title: Web Developer II	FLSA Type: Exempt	Date Established: 3/25/2025
Department: DoIT	EEO Code: 3	Date Revised:
Class Code: 15113402	Reports To: Web Team Supervisor	Date Approved:

Job Summary

Web Developer II is an experienced level information technology professional located within various offices in the City of Detroit Department of Innovation and Technology that requires minimal direction and supervision. A Web Developer plans, designs, develops, tests, implements, and manages the City's Internet and intranet activities, including managing, creating, or integrating with web-based applications that will enable new tasks/processes or streamline existing tasks/processes. The work performed by Web Developers primarily involves performing basic Internet/intranet support functions such as web page/application design, content development, and site updates. Web Developers build web applications and user experiences that change the way people perceive and interact with the City of Detroit. Web Developers also contribute technical guidance during implementations of new systems or applications and play a key role in the management and maintenance of the City's website(s).

Essential Duties and Responsibilities (*may perform other duties as assigned*)

- Design, build, and maintain the City's website(s), using authoring or scripting languages, content creation tools, management tools, and digital media.
- Develops guidelines for page and site design and configuration.
- Oversee the development of complex guidelines for page and site design and configuration.
- Perform or direct website updates and ensures effective system performance.
- Write, design, or edit web page content, or directs others producing the content.
- Confer with higher-grade Department of Innovation and Technology personnel to prioritize needs, resolve conflicts, develop criteria, or choose solutions.
- Identify problems uncovered by testing or customer feedback and corrects problems or refers problems to appropriate personnel for correction.
- Evaluate code to ensure that it is valid, is properly structured, meets industry standards, and is compatible with browsers, devices, or operating systems.
- Maintain an understanding of current web technologies or programming practices through continuing education, reading, or participation in professional conferences, workshops, or groups.
- Develop or validate test plans, routines, and schedules to ensure that test cases mimic real-world usages, i.e., all external interfaces and all browser and device types, etc.
- Obtain and maintain reports access and performance statistics using site analysis tools.
- Design and write supporting code for web applications or websites.
- Perform special projects and other duties as assigned.
- Renews domain name registration

- Identifies opportunities for public-private collaboration in using Internet-based technology to increase the efficiency of City business
- Participates in website and web application performance tuning and optimization to increase scalability and throughput, minimizing front-end and back-end server load, end user perceived latency, page weight, etc.

Qualifications (required):
- Completion of a Web Developer Course of Study or Bachelor of Science degree in Web Design.

Equivalent combinations of education and experience may be substituted to meet the education and experience requirements of this position.

Qualifications (preferred):
- Expertise in Python
- Expertise in JavaScript
- Experience with Drupal
- Experience with API Integrations

Knowledge, Skills, and Abilities

- Knowledge in fundamental data processing methods, practices, and techniques in work involving development, test, implementation, and modification of computer programs and operating procedures.
- Knowledge in web technologies, standard concepts, best practices, and procedures, including content management systems, web analytics, and web portal software.
- Knowledge in one or more programming, scripting, and styling languages, such as HTML, JavaScript, CSS, Python, PHP, etc.
- Knowledge in internet security principles and protocols, such as Security Sockets Layer (SSL) and Encryption.
- Knowledge in programming and scripting languages.
- Design tools, such as Adobe Photoshop and/or Illustrator
- Data content and output options for a variety of administrative, scientific, and/or technical program applications that are processed on any of several multi-program operating systems
- Personal computer capabilities, the application of computer systems, and methods and techniques used to operate mainframe computer systems and peripheral equipment in the City
- Structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar
- Use of Microsoft Office (e.g. Word, Access, PowerPoint, and other office software packages) in order to prepare presentations, write letters and memorandums
- Use of Excel (e.g. Formulas, Pivot Tables, Vlookup, Hlookup, other functions, charts and tables) functionality in order to analyze data and present data on technology operations
- Interpersonal skills to interact effectively with personal contacts in a business-like, customer service oriented manner, and maintain favorable public relations
- Design and develop web pages
- Read and understand information and ideas presented in writing
- Communicate information and ideas in speaking so others will understand
- Listen to and understand information and ideas presented through spoken words and sentences
- Speak clearly so others can understand you
- Work as part of a team

Licenses, Certifications, and Other Special Requirements:
Candidates considered for placement in this classification may be subject to a Criminal Background Investigation and the execution of an NDA based on the requirements of the position.

Physical Demands
The employee generally remains in a stationary position for an extended period of time operating standard office equipment which may include computers, telephones, photocopiers, and fax machines. The employee is expected to move about to accomplish tasks such as opening file cabinets and moving files. Must be able to lift, push, pull, and carry up to (x) pounds.

Work Environment
Work is performed primarily in an office environment. Some work requires travel to meetings, conferences, and other work sites with exposure to seasonal weather conditions.

The above statements reflect the general nature and level of work performed by employees assigned to this class. Incumbents may be required to perform job-related responsibilities and tasks other than those stated in this specification. Essential duties may vary from position to position.

Notes: