

JOB DESCRIPTION

TITLE: Programmer II
SUB-TITLE: Senior Web Developer
DIVISION/UNIT: Information Services Division/IT Systems Unit
REPORTS TO: Supervisor, Applications Development Section
DATE: September 2018 **PAY RANGE:** 17 **FLSA:** Non-Exempt

Job Objectives: (Purpose of the position.)

Develop and maintain web sites and web-based applications. Perform advanced design and development of websites and web-based applications.

Essential Job Functions: (Functions essential to attaining job objectives.)

1. Design, build and maintain websites using authoring or scripting languages, content creation tools, management tools, and digital media.
2. Develop and maintain web-based applications, utilizing standard programming languages, content creation tools, management tools, and digital media.
3. Develop secure web-based applications consisting of dynamic content presentation, controlled access, and database integration.
4. Perform coding, debugging, and documentation of developed applications and assist with the deployment and maintenance of web services.
5. Design and develop web-based applications for mission-critical department functions.
6. Design, develop, update and maintain front end interfaces for Computer Aided Dispatch (CAD) and Report Management System (RMS) applications.
7. Develop style guidelines, site architecture, application models, and site templates that meet project goals, user needs, and industry standards.

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8. Develop technical documentation, to include technical requirements, project schedule, design documentation, workflows, use-cases, design reviews and test case reports.
9. Confer with management or development teams to prioritize needs, resolve conflicts, and develop content criteria.
10. Continue to advance skills through continuous proficiency development.
11. Must have strong verbal, time management, writing, analytical and decision-making skills.
12. Consistently exercise discretion, sound judgment, and must comply with all department policies and procedures.
13. Maintain regular and reliable attendance. May be required to work flexible hours and/or mandatory overtime for special projects as requested.
14. Determine all necessary coding requirements for the site and application creation including forms and specialized scripts.
15. Create customized applications for smaller tasks to enhance website and web application capabilities based on organizational needs.
16. Write web pages combining codes such as JavaScript, .Net, HTML, and C#.
17. Develop templates of approved website and web application layouts.
18. Coordinate projects with programmers and graphic designers for specialized scripts and integrate verbal and graphic content with website design. Post completed site to the internet server and search engines.
19. Make changes to websites and web applications and update current information on internal and external web pages as directed by supervisor.

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20. Ensure web pages and web applications are functional across different browser types; conduct tests to verify user functionality. Verify compliance with accessibility standards.
21. Assist in resolving moderately complex production support problems.
22. Investigate and resolve matters of significance for end-user problems.
23. Work with partners to address requirements, usability, accessibility, security, and change requests to ensure website and web application functionality.
24. Create test plans and report test results.
25. Work with outside vendors as necessary, in developing tests to ensure future functionality of websites and web applications.
26. Research new web technologies to provide members with state-of-the-art web capabilities.
27. Perform related duties as required.
28. This class specification should not be interpreted as all inclusive. It is intended to identify the essential functions and requirements of this job. Incumbents may be requested to perform job-related responsibilities and tasks other than those stated in this specification. Any essential function or requirement of this class will be evaluated as necessary should an incumbent/applicant be unable to perform the function or requirement due to a disability as defined by the Americans with Disabilities Act (ADA) as amended by the Amendments Act of 2008 (ADAAA); and the Missouri Human Rights Act (MHRA).

Job Standards: (Minimum qualifications needed to perform essential functions.)

- Bachelor's Degree or equivalent related work experience.
- Prefer 4+ years of experience in advanced web development and design.
- Proficiency with basic web technologies (XHTML, DHTML, CSS, JavaScript, XML) is required.

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- Proficiency with WordPress or other blogging software is required.
- Proficiency utilizing: C#, ASP.NET, ADO.NET, Visual Studio, and SQL database is required.
- Experience with leading a project team is preferred. Ability to lead projects and interact with vendors.
- Experience with additional programming languages is a plus.
- Excellent verbal and written communication skills are required.
- Experience with Visual Studio 2013 or higher is preferred.
- Knowledge of JavaScript and JavaScript frameworks is preferred.
- Good understanding of CSS; experience with a CSS preprocess is preferred.
- Experience with Bootstrap framework is a plus.
- Solid understanding of relational database principles.
- Strong problem solving and analytical skills.
- Good oral and written communications skills.
- Strong technical skills with the ability and desire to learn new skills as needed.

Physical Requirements: This position is sedentary and will require the incumbent to sit for long periods of time. Incumbent will perform work at a computer workstation approximately 90% of the time.

Job Location: (Place where work is performed.)

Position operates in a standard office environment 100% of the time.

Equipment: (Machines, devices, tools, etc., used in job performance.)

- Computer Workstation
- Telephone
- Copier/Scanner/Fax