

**Web Application Developer  
Illinois Fire Service Institute  
University of Illinois at Urbana-Champaign**

The University of Illinois is a world leader in research, teaching, and public engagement. We serve the state, the nation, and the world by creating knowledge, preparing students for lives of impact, and addressing critical societal needs through the transfer and application of knowledge. As the statutory fire academy for Illinois, the Illinois Fire Service Institute (IFSI) serves firefighters throughout Illinois and the world. World-class instructors deliver more than 14,000 class hours to students online, on campus and at regional training centers throughout the state. IFSI is operated as a continuing education and public service activity by the University of Illinois.

**PRIMARY POSITION FUNCTION/SUMMARY:**

The Web Application Developer position is responsible for full cycle dynamic web application development. Additional responsibilities to include testing, implementation, maintenance, and support of existing applications utilizing a variety of programming languages to connect to dynamic database systems. Other duties include development and maintenance of the Illinois Fire Service Institute (IFSI) website, and the IFSI Learning Management System (Moodle). This position will work closely with the other members of the IT staff to determine client needs and assist with programming projects and development.

**DUTIES AND RESPONSIBILITIES:**

Web Application Development and Maintenance

1. Design, testing, and implementation of web application solutions utilizing many different programming/scripting languages such as JavaScript, HTML, CSS, MSSQL (SQL), Coldfusion and other languages as needed.
2. Development and maintenance of web-based applications for managing student records, class information, billing, timesheets, travel reporting, and other mission critical business components.
3. Assist with resolution of web application related errors, bug testing, and documentation.
4. Designing responsive applications with mobile compatibility and ADA compliance
5. Maintain compliance with W3C, State of Illinois, University of Illinois, and ADA web standards.
6. Integrate data with the IFSI Learning Management System and other Web based content.
7. Assist with Moodle CMS functionality management, interface and template design, and customization.
8. Assist with GIT version control usage and management along with other programming staff.

Database Maintenance and Web Services Infrastructure Support

9. Assist the Manager of Systems Services/Director of Information Technology and other IT staff with managing database schema and maintaining data integrity.
10. Assist the Manager of Systems Services/Director of Information Technology and other IT staff with managing Web Server Infrastructure, Web Security, search engine improvements, and associated services.

## **QUALIFICATIONS:**

### Required:

1. (Specialty Factor) Three years of progressively more responsible work experience in an Information Technology (IT) related profession.
2. College course work which included Information Technology (IT), IT Management, or a closely related discipline may be substituted as follows:
  - a. 60 semester hours or Associate's Degree equals one (1) year,
  - b. 90-120 semester hours or Bachelor's Degree equals two (2) years.
3. Demonstrated experience coding for web application development with demonstrated proficiency in utilizing the following languages to build and connect dynamic web applications to databases: JavaScript, JavaScript frameworks, HTML, CSS, MSSQL(SQL), Coldfusion, PHP, or other server side scripting languages.
4. Experience in building applications using MVC design principles, creating reports for visualization, and creating back-end API code.
5. Demonstrated experience with Version Control Systems such as GIT.
6. Experience creating and altering SQL queries to retrieve and display data.

### Preferred:

1. Five years of progressively more responsible work experience in an Information Technology (IT) related profession.
2. Experience with JavaScript Frameworks such as Angular, Angular JS, or React.
3. Experience with ColdFusion programming language preferred. Other server-side scripting languages considered with desire to transfer existing knowledge and skills to current environment.
4. Experience with secure applications programming, including using SSL, TLS, to secure communications.
5. Ability to manage multiple projects while maintaining attention to detail.
6. Experience with Moodle or similar learning management systems.

## **KNOWLEDGE, SKILLS AND ABILITIES:**

1. Strong communication and collaboration skills, including the ability to communicate technical information to non-technical collaborators.
2. Ability to work effectively both independently and in team settings.
3. Ability to self-manage and be managed in a variety of team settings and scenarios.

## **SALARY AND APPOINTMENT INFORMATION:**

This is a full-time Civil Service Information Technology Technical Associate position appointed on a 12-month service basis. The expected start date is as soon as possible after **June 10, 2021**. Salary is commensurate with experience. Flexibility of working remotely will be considered.

## **TO APPLY:**

Applications must be received by **June 10, 2021**. Apply for this position using the "Apply for Position" button below. If you have not applied before, you must create your candidate profile at

<http://jobs.illinois.edu>. If you already have a profile, you will be redirected to that existing profile via email notification. To complete the application process:

Step 1) Submit the Staff Vacancy Application.

Step 2) Submit the Voluntary Self-Identification of Disability forms.

Step 3) Upload your cover letter, resume (months and years of employment must be included), academic credentials (unofficial transcripts or diploma may be acceptable) and names/contact information for three references.

To be considered as a transfer candidate, you must apply for this position using the “Apply for Position” button below. Applications not submitted through this website will not be considered. For further information about this specific position, contact Keri Frederick ([klfreder@illinois.edu](mailto:klfreder@illinois.edu)). For questions about the application process, please contact 217-333-2137.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. For more information, visit <http://go.illinois.edu/EEO>.