



**MIT Position Description**

<b>Job Title:</b> Web Developer 2	<b>Position Title:</b> Web Quality Assurance Developer, OC
<b>Reports to:</b> Director of Web Development, Office of Communications	<b>% Effort or Wkly Hrs:</b> 100%
<b>Department:</b> MIT Sloan Office of Communications	<b>Grade 8</b>

**Position Overview:**

The Web Quality Assurance (QA) Developer is an integral part within the MIT Sloan Office of Communications' web development department. This role contributes to the coordination, construction, maintenance, administration and enhancement of MIT Sloan public-facing websites. These websites serve as the school's primary vehicles to reach its target audience of current and future global business leaders, including prospective students and faculty, as well as management practitioners in organizations around the world.

The Web QA Developer uses testing tools, frameworks, and methodologies to validate both new and existing functionality in the MIT Sloan Drupal and WordPress websites. This role ensures features align with website designs, are accessible and meet the needs of users and stakeholders. This role builds and manages test coverage suites for use with manual testing, automated regression systems and accessibility testing, as to maintain stakeholder confidence that all website functionality is meeting expected requirements.

The person in this role works closely with others on the development team and collaborates with colleagues across the Office of Communications, particularly on the digital product team, to create QA testing plans and steps for all upcoming website development. The Web QA Developer analyzes stakeholder requirements, designs and UX to write QA testing steps and plans for evaluating, reviewing and confirming the work of the development team.

The Web QA Developer, in collaboration with others, engages with the greater MIT Sloan web community to support, identify, troubleshoot and resolve issues and reported bugs. As well as, helps to ensure up-keep of website documentation and user guides to provide the MIT Sloan web community with the proper information for utilizing the MIT Sloan Drupal and Wordpress sites. This role researches and makes recommendations for technology and tools that can be used to enhance supporting the MIT Sloan web community, quality assurance processes.

This Web QA Developer role strengthens the MIT Sloan Web Development departments abilities to ensure MIT Sloan websites function as expected and meet the needs of the school and all users.

This role is eligible for a hybrid/remote work schedule that aligns with the department guidelines.

**Principal Duties and Responsibilities (Essential Functions\*\*):** (include percentages to equal 100%)

- Quality Assurance Testing. (80%)
  - Manages QA web administration projects.
  - Performs Quality Assurance on new features to discover potential issues and verify expected functionality.
  - Collaborate and coordinates with developers to identify and resolve functionality issues.
  - Develop and maintain behavior tests using Behat for existing features and functionality.
  - Identifies, evaluates and tests websites to make sure functionality meets accessibility standards.
  - Reviews website display updates to confirm design match.
  - Perform end-to-end tests to discover regression issues.
  - Collaborates with external service providers
  
- Feature planning and ideation (10%)
  - Participate in SCRUM ceremonies including;



- Daily stand-ups
- Ticket refinement
- Sprint planning
- Ticket estimation.
- Works with development leadership to create QA testing plans/steps for tickets and tasks.
- Proactively provide insights and recommendations to development leadership for the enhancement of testing frameworks, tools, and methodologies
  
- Support for the School's Web Community (10%)
  - Identifies, evaluates, and acquires content for Web,
  - Engage with the MIT Sloan community to identify, troubleshoot, and resolve bugs in existing Website functionality,
  - Updates website documentation and user guides to ensure accuracy and relevancy.

Other duties as required or assigned

**Supervision Received:** This position is supervised by the Director of Web Development, Office of Communications.

**Supervision Exercised:** None at this time.

**Qualifications & Skills:**

*MINIMUM REQUIRED EDUCATION AND EXPERIENCE:*

Education: Bachelor's degree in a related field or equivalent required;

Experience:

- Experience using Drupal 8/9
- Experience using Wordpress 5/6
- Experience with testing tools and frameworks such as Behat, Selenium and Cypress.
- Working knowledge of web programming languages (JavaScript, PHP, CSS and HTML)
- A minimum three (3) years work experience web programming, project management or as part of a web development team required.

*PREFERRED EDUCATION AND EXPERIENCE:*

Experience:

- Demonstrated experience writing Behat behavior tests for Drupal
- Experience using GIT for code management
- Experience using task management tools, such as JIRA
- Experience with online documentation tools such as Confluence.
- Experience working in Agile workflows
- Nice to have: Experience with DevOps processes/tools (CircleCi, pipelines, etc...)
- Nice to have: Experience with Cypress for End-to-End testing
- Nice to have: Experience with accessibility testing

General:

- Flexible thinker; creative problem solver focused on achieving goals.
- Ability to breakdown functionality requests into repeatable testing steps.
- Ability to work collaboratively with other developers.
- Deadline orientation with a track record of on-time delivery.
- Commitment to a positive, high-energy, collaborative work environment.

**Competencies:**

- **Demonstrates desire and drive for learning** that enhances individual performance and contributes to organizational effectiveness
- **Collaborates with others** while respectfully advancing organizational goals and achieving desired outcomes
- **Fosters innovation and experimentation** by applying original thinking, expertise, and professional experience to solve problems and develop new options and approaches



- **Focuses on impact and outcomes** while working to make a difference and achieve organizational goals
- **Acts with caring and a sense of community** while demonstrating genuine respect towards every person

*\*\* To comply with regulations by the American with Disabilities Act (ADA), the principal duties in position descriptions must be essential to the job. To identify essential functions, focus on the purpose and the result of the duties rather than the manner in which they are performed. The following definition applies: a job function is essential if removal of that function would fundamentally change the job.*