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**Job Posting for Educational Instructor**

**Back-End Development**

**Department Description:**

[McMaster Continuing Education](http://www.mcmastercce.ca) (MCE) provides professional education to individuals and corporate clients, to enhance careers and foster workforce development. Our vision is “to be a leader in professional, continuing education and lifelong learning by delivering superior learning experiences that transform lives and communities and contribute to societal health and well-being”.

**Position Description:**

MCE is currently accepting applications for part-time course instructors to teach in the Back-End Development program. In this role, you will provide online instruction using a combination of adult learning techniques, such as presentations, class discussions, case studies, and group activities.

Instructors are responsible for the delivery of pre-developed course content. Instructors will complete formative and summative evaluations of students.

**Courses:**

Instructors are required for the following courses:

* **Back-End Development**: In this course, students will learn about the purpose of back-end development and how servers, databases and the code that makes them drive web applications. Students will be given opportunities to apply their knowledge through case study scenarios which will enable development of their knowledge of the complex structure of a website. Students will also examine current development systems like Amazon Web Services and e-commerce sites to better understand how their systems align with the future of website development.
* **Interactivity and Databases**: In this course, students will learn about the structure of database systems within a website and how their code will impact the interactivity with that database system. Students will learn how to set up and configure a database, how information is queried from the database, how systems work with the front-end of a website, the difference in database capability and the structured query language (SQL).
* **Advanced JavaScript through Node.JS**: Students will deepen their understanding of the JavaScript system and apply their knowledge through developing the back-end of a website using Node.JS. During this course, students will learn to develop their application programming interfaces (APIs), Lambda, and apply their knowledge by developing foundational code that will allow users to take action on any website.

**Course Format:**

Courses are delivered online (virtual, asynchronous). Supplemental course resources, activities, and student advisement will use McMaster University’s learning management system (LMS), Brightspace (Desire to Learn). Courses are scheduled throughout the academic year.

**Accountabilities:**

1. Complete pre-course preparation including preparation of online course site and resources.
2. Deliver session content according to course schedule using effective instruction and facilitation techniques suitable for diverse, adult learners.
3. Assess student progress by preparing, revising, administering, and grading assigned course activities.
4. Contribute to ongoing design/development of course materials and content in a way that complements other course offerings in the program.
5. Correspond with students in a timely manner as required during the course offering.
6. Complete all required correspondence and administrative tasks.

Please note: course outlines, learning outcomes, suggested readings and activities are developed as part of McMaster’s program approval process and do not need to be developed by the instructor.

**Qualifications:**

The ideal candidate will be a back-end developer with extensive experience in the field. A minimum of a Master’s Degree or equivalent in an appropriate field of study and experience teaching in adult education is required.

**Assets:**

Additional requirements include broad sector knowledge, strong interpersonal and organizational skills, proven research skills and problem-solving ability, computer acumen, and a demonstrated ability to enable others to learn.

**Interested candidates:**

Send resume and cover letter to McMaster Continuing Education (Instructor email account), instrapp@mcmaster.ca. Please indicate “Back-End Development Instructor Application” in the subject line.

*Only qualified candidates will be contacted. MCE does not send confirmation of receipt of applications.*

**Employment Equity Statement**

McMaster University is located on the traditional territories of the Haudenosaunee and Mississauga Nations and within the lands protected by the “Dish With One Spoon” wampum agreement.

The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration and diversity and has a strong commitment to employment equity.

The University seeks qualified candidates who share our commitment to equity and inclusion, who will contribute to the diversification of ideas and perspectives, and especially welcomes applications from indigenous (First Nations, Métis or Inuit) peoples, members of racialized communities, persons with disabilities, women, and persons who identify as 2SLGBTQ+.

Job applicants requiring an accommodation to participate in the hiring process should contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247) to communicate accommodation needs.