



Programmer Analyst - Web App Development (LCA.CK)

Duration | 10 months

Delivery Methodology | Online / In-class

Program Overview

This program enables you to become a skilled full-stack developer as you learn the fundamentals of programming using JavaScript and later create responsive web layouts using HTML & CSS. Also, you shall build Single Page Applications (SPAs) using AngularJS and integrate it with database (RDBMS). Furthermore, you shall use Node.JS to build backends for web apps, industry standard web-based content management system frameworks – WordPress, Joomla, Drupal.

Course Outline

- 1 | Software Methodologies
 - Software development lifecycle
 - Requirement gathering and analysis
 - Agile, waterfall, scrum methodologies
- 2 | Introduction to Programming
 - Variable, class, control statements, looping statements
 - Writing pseudo logic, flowchart and algorithm designing for a problem
- 3 | Front End Technologies
 - HTML, CSS, bootstrap
 - Java script like tags, color options in a webpage
- 4 | Fundamentals of SQL Programming
 - CRUD operations, DML, DDL statements
 - Views, triggers, and procedures
- 5 | Fundamentals of Programming
 - JavaScript and Typescript and Working with DOM
 - Asynchronous Programming and Working with APIs
- 6 | Building Dynamic Front-End Web Application platforms
 - Advanced front-end frameworks like Angular JS which are used to create dynamic web applications
- 7 | Backend Development for Building web Applications
 - Node.js Modules and Packages, Building RESTful APIs
 - Data Storage and Databases, error handling, testing, and debugging.
- 9 | Career Development
 - Resume and Cover letter Preparation
 - Interview Preparation
- 10 | Project
 - Practical application of all the above courses

Career Options



Web Developer



Full Stack Web Developer



Applications Developer



Web Designer



Software Developer - Web Applications



Software Engineer - Web Applications



Front End Engineers/Developers



Computer Systems Analysts

Industry Overview

- 1 | According to Stack Overflow 2020 Developer Survey, JavaScript is considered as the 2nd most wanted programming language with 18.5% share.
- 2 | One of the top 10 most loved programming languages.
- 3 | AngularJS is being used by not just industry heavy weights like YouTube (traffic rank 2 with a 34.5B visits per month), but many across world for there're currently 118,015 websites powered by it.
- 4 | Industries like Information Technology, Arts, Design and media, Retail, catering and bar work, Marketing, PR and sales - are looking out for professional Web App Developers.

Skills you Acquire

- Writing code in one or more programming or scripting languages, such as JavaScript.
- Integrate graphics, audio, and video into the website. Designing beautiful layouts for the website using CSS as per requirements.
- Build and test Application Program Interfaces (APIs) for applications to exchange data.
- Meet designers, developers and project staff for progress updates.
- Learn and test new technologies, frameworks and languages.
- Build and maintain databases.
- Document code, so other developers can understand and contribute to it.

Tuition: \$10,000 CAD

Winter session begins on the 9th of February 2024

Talk to an advisor to learn more about our payment plans, financing options, bursaries and tax credits.



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Why Choose MCIT?

1 Industry Focus

Our curriculum is solely based on the latest industry trends to make sure you are equipped with the right skillsets.

2 Project Based Learning

Your learning is solidified with a project at the end of the course to make you job ready. This project is implemented under the guidance of your instructor

3 Get trained by Domain Experts

The courses are taught by industry experts who have got years of experience in respective domains. This way you shall be learning key concepts from people who have already solved similar problems

4 State of the Art Infrastructure

Every student gets a dedicated VM (Virtual machine) as they join this program to serve their needs in terms of intense computation, access from anywhere.

5 Strong Alumni Network

You are not alone for you have a 5000-member strong Alumni network as you study at MCIT

6 Learn while you work | Earn while you learn

Learn new skills to take your career to next level while continuing your work due to our flexible schedules.

Financial Aid

1 AFE Loan

Full tuition fee could be covered under AFE loans provided by Quebec Government.

2 Scholarship

On a case-by-case basis, local students can reach out to private bursaries to receive anywhere between \$500 CAD - \$2000 CAD.

Note: For further information about financial aid, please speak to any of our advisors.

Career Support Services

The Career Center at MCIT is designed to offer students and alumni the opportunity to learn about the Canadian job market and how to sell their skills and experience to successfully find job opportunities. You shall be assisted in learning:

1 Canadian Customs

2 The art of Networking

How to build a professional network

3 Cover Letters Writing

4 CV & Resume Writing

5 Internship Preparation

6 Job Search Checklist

Exploration, Preparation, Implementation

7 LinkedIn Profile

8 Interview Preparation

You'll be Job-ready!

Learning Methodology

Learning Methodology is the central mechanism for learning advancement. It's the core that drives all your expertise and knowledge to attain professional success.

