

JUMPSTART TO USING MODERN JAVASCRIPT (TT4110)

Course Code: 1974

Learn essential skills for developing modern web applications.

JavaScript is a core technology that supports modern web development creation and design. In this course, you will thoroughly explore writing JavaScript and learning techniques and best practices for using it with today's systems and architectures, enabling you to develop sophisticated web interfaces.

This comprehensive course provides a balanced mixture of theory and practical labs, guiding you through the fundamentals of JavaScript and its related technologies—up through the use of tools and libraries to ease the development of advanced web applications. Upon completing this course, you will be able to design, implement, and deploy robust, flexible, and secure JavaScript-based applications.

What You'll Learn

- What JavaScript is and how it is used within the context of web applications
- Work with the different technologies that are the foundation for web applications.
- Work with the fundamental aspects of JavaScript in terms of web applications, security, tools, and frameworks
- Examine application security, ranging from web application issues to the vulnerabilities and threats that are specific to JavaScript

Who Needs to Attend

Developers who want to use JavaScript to build user-friendly, feature-rich webpages and websites

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VIRTUAL CLASSROOM LIVE

\$2,464 CAD

3 Day

Virtual Classroom Live Outline

1. HTML and CSS Review

- HTML Review
- CSS Review
- CSS3 Overview

2. JavaScript

- JavaScript Basics
- Debugging Tools
- JavaScript Functions
- JavaScript Arrays
- JavaScript Strings and Regular Expressions
- Object-Oriented JavaScript
- JavaScript Event Handling
- Advanced JavaScript

3. Working with DOMs

- HTML DOM Mechanics
- XML DOM Mechanics
- XSLT Applied

4. Advanced Topics

- JavaScript Best Practices
- Performance and Optimization
- Security

Virtual Classroom Live Labs

As a programming class, this course provides multiple challenges labs for students to work through during the class. This workshop is about **50% hands-on lab and 50% lecture**. Throughout the course students will be led through a series of progressively

advanced topics, where each topic consists of lecture, group discussion, comprehensive hands-on lab exercises, and lab review. Multiple detailed lab exercises are laced throughout the course, designed to reinforce fundamental skills and concepts learned in the lessons. At the end of each lesson, developers will be tested with a set of review questions to ensure that he/she has fully understands that topic.



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PRIVATE GROUP TRAINING

3 Day

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Date created: 6/13/2026 5:45:29 PM

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