

# Git & GitLab (with GitHub) – Modern Developer Workflow (TTDV7553)

**Price:** 2295

**Duration:** 2 days

**Delivery Methods:** Virtual

## Overview

### Overview

This hands-on course provides a modern, practical introduction to Git and collaborative development workflows using GitLab and GitHub. Participants learn how to work confidently with version control in real-world team environments, focusing on branching strategies, merge and pull requests, code reviews, and safe collaboration practices.

Through guided labs and realistic examples, students build strong Git fundamentals while gaining a clear understanding of how GitLab and GitHub support modern development workflows. The course also introduces CI/CD concepts, showing how automated pipelines build, test, and deliver code, and what developers need to know to work effectively with them.

By the end of the course, participants will be able to use Git productively in daily development work, collaborate efficiently with teams on GitLab or GitHub, and understand how their code moves from commit to deployment in a modern DevOps environment.

### Objectives

By the end of this course, participants will be able to:

- Explain core Git concepts, including repositories, commits, branches, and distributed version control
- Create, manage, and organize Git repositories using GitLab or GitHub

- Apply modern branching strategies, including GitLab Flow and trunk-based development
- Collaborate effectively using merge requests and pull requests, including reviews and approvals
- Safely merge and rebase code while resolving conflicts and maintaining clean history
- Work with remote repositories using shared and fork-based collaboration models
- Inspect, understand, and manage commit history using Git tooling and platform interfaces
- Improve daily productivity with Git aliases, stashing, and interactive staging
- Write clear, meaningful commit messages and create atomic commits
- Understand CI/CD fundamentals and how automated pipelines build, test, and deploy code
- Navigate and troubleshoot GitLab CI/CD pipelines and understand GitHub Actions at a high level
- Follow best practices for secure, reliable, and team-friendly version control workflow

## **Audience**

This course is designed for software developers and technical professionals who want to use Git effectively in team-based development environments. It is ideal for developers working with GitLab or GitHub who want to strengthen their version control skills and adopt modern collaboration and CI/CD workflows.

The course is also suitable for DevOps engineers, QA engineers, and technical team members who collaborate on shared codebases and need a solid understanding of Git workflows, merge and pull requests, and automated pipelines.

## **Pre-Reqs**

Participants should have basic familiarity with using a command line and working with code or text files. No prior experience with Git, GitLab, or GitHub is required.

## **Agenda**

This course provides a hands-on, modern introduction to Git, with a strong focus on GitLab workflows while remaining fully compatible with GitHub. Participants learn best practices for collaboration, branching, rebasing, code review, and CI/CD.

### **1. Git & Platform Basics**

### **2. GitLab Flow & Team Workflows**

### **3. Branching Strategy**

## . Configuring Git Like a Pro

## 5. Rebasing (Safely and Effectively)

## 6. Merging & Code Reviews

## 7. Resolving Merge Conflicts

## 8. Working with Remote Repositories

## 9. Exploring & Managing History

## 10. Improving Your Daily Git Workflow

## 11. CI/CD with GitLab (and GitHub)

### Course Schedule

Date	Time	Price	Options
06/08/2026	09:00 AM - 05:00 PM CT	2,295.00	<a href="#">Buy Now</a> <a href="#">Enroll</a>

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