MFE-IT

Reference: 2B-GHF

GitHub Fundamentals Training Course

Master the Basics of Collaboration and Repositories

Duration: 1 Day | Hours: 7 h

Remote · Sessions guaranteed from 1 registrant · 60% hands-on practice

DESCRIPTION

This GitHub Fundamentals training teaches you the essential basics of using GitHub for version control, collaboration and software project management. You will learn how to create and manage repositories, work with branches, submit pull requests, review code and use GitHub's collaborative features to organise your team's work effectively.

The programme combines hands-on exercises on real GitHub repositories with practical team collaboration patterns to make participants productive on the platform within a single day.

LEARNING OBJECTIVES

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

- Understand the role and fundamental principles of GitHub as a collaboration and code management platform
- Create, organise and manage repositories (public and private) on GitHub
- Use branches, commits and pull requests for structured collaborative development
- Review code, handle conflicts and merge contributions effectively
- Leverage GitHub Projects, Issues and Actions for team workflow automation

PREREQUISITES

- General comfort with using a computer and web browser
- Basic knowledge of version control (Git) and general software development principles is a plus
- No advanced technical prerequisites required

> *Because each participant is unique, a personalised interview is systematically organised in advance with our expert to design a training programme perfectly aligned with their objectives, level and professional challenges.*

TARGET AUDIENCE

- Beginner or experienced developers wishing to structure their collaborative work with GitHub
- DevOps engineers, technical leads or IT project managers involved in development processes
- Any professional who uses or wants to use GitHub as part of a software team

DETAILED PROGRAMME

> The training alternates between theoretical input and hands-on practice (approximately 60% of the time). Modules are built around practical exercises based on real-world business use cases.

Module 1 – Introduction to GitHub and Git basics

- Difference between Git and GitHub
- Account types, organisations and teams
- Navigating the GitHub interface

Module 2 – Repositories: creation, organisation and visibility

- Public and private repositories
- Repository settings and metadata (README, LICENSE, .gitignore)
- Cloning, forking and contributing

Module 3 – Branches, commits and Pull Requests

- Working with branches in collaborative projects
- Creating Pull Requests and writing good descriptions
- Linking PRs to issues and projects

Module 4 – Code review and merging contributions

- Reviewing code: comments, suggestions, approvals
- Resolving conflicts inside the GitHub UI
- Merge, squash and rebase strategies

Module 5 – Issues, Projects and team collaboration

- Creating and triaging Issues
- Organising work with GitHub Projects
- Labels, milestones and saved views

Module 6 – Introduction to GitHub Actions

- Workflow file structure and syntax
- Using the Actions marketplace
- First CI workflow on a real repository

Module 7 – Security basics and best practices

- Branch protection and required reviews
- Personal access tokens and authentication
- Repository hygiene and team conventions

TEACHING METHODS

Format and Delivery

The training is delivered remotely via an interactive virtual classroom. It can also be delivered on-site, with content customised to match the needs of your professional project. The theory/practice split is approximately 40%/60%.

MFE-IT Ultra-Personalised Format

Each session accommodates between 1 and 3 participants, ensuring highly individualised support. A preliminary interview allows us to tailor the content to each participant's profile. Inter-company sessions are guaranteed from just 1 registrant (except in cases of force majeure).

Skills Assessment

Throughout the training, the trainer assesses participant progress through multiple-choice questions, role-playing exercises and hands-on work. At the end, a certificate of achievement is issued to each participant.

Post-Training Support

For one month following the training, each participant can contact MFE-IT trainers with questions about implementing acquired knowledge. A response is provided by email or telephone within 48 working hours.

Accessibility

MFE-IT is committed to welcoming people with disabilities. Contact: contact@mfe-it.com.

PRACTICAL INFORMATION

Trainer Resources

- Structured demonstrations aligned with the detailed programme
- Exercise briefs and solutions throughout the training
- A ready-to-use technical environment for practical workshops
- Trainer validation of acquired knowledge at the end of each workshop
- Digital reference documents

Certification and Validation

At the end of the training, a certificate is sent by email specifying the objectives, nature, duration and assessment results. A completion certificate can also be provided on request.

Benefits for Participants

- Train from your workplace or home, with no travel required
- Benefit from an expert trainer-consultant on the subject
- Enjoy an ultra-personalised format (1 to 3 participants)
- Continue training even in the event of unforeseen circumstances

Benefits for the Organisation

- Optimise the training budget by reducing travel and accommodation costs
- Offer quality training to all employees, regardless of location
- Reduce absence time linked to travel
- Support team upskilling in all contexts