

Unit Testing

Group Training

Training code	CGAUTESTCD
Spoken Language	Dutch
Language Materials	English
Dayparts	2
Price	€750,00 excl. VAT No extra costs.

What is Unit Testing

In DevOps environments, the main goal is to bring software to production as quickly as possible. To achieve this, automating these processes is key. Within an automated development chain, quality is very important. To guarantee quality, it is crucial that feedback about the software is delivered quickly and as often as possible; test automation enables this. A good unit test set is essential because unit testing is the fastest and most stable way of test automation. Are you a developer or tester with Java knowledge and do you want to take unit testing to a higher level? Then this is the training for you! During this training, you will learn:

- Which things do you test with a unit test?
- And what does that look like.
- Best practices
- The art of “mocking” Pair programming is a very effective method to improve quality. In this training course, developers and testers collaborate on assignments. In this way, you will not only learn from the trainer but also from each other.

Who should attend Unit Testing

- Software Developers: Enhance your skills in writing effective unit tests and improve code quality.
- Test Engineers: Learn advanced unit testing techniques to ensure robust test automation.
- DevOps Engineers: Integrate unit testing into your CI/CD pipeline for faster feedback and higher quality releases.
- QA Analysts: Gain insights into unit testing to better understand and collaborate with development teams.
- Technical Leads: Lead your team in adopting best practices for unit testing and improving overall software quality.
- Students and Fresh Graduates: Build a strong foundation in unit testing to kickstart your career in software development.



Prerequisites

Basic knowledge of Java programming is required. Familiarity with software development and testing concepts is beneficial but not mandatory.

Objectives

At the end of the training, you will be able to:

- Understand the importance of unit testing in the software development lifecycle.
- Identify what to test with unit tests and how to implement them effectively.
- Apply best practices for writing and maintaining unit tests.
- Utilize mocking frameworks to isolate and test components.
- Collaborate effectively with team members through pair programming.
- Integrate unit testing into your development workflow for continuous feedback and improvement.

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