AMBIENT-IT

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Updated on 11/20/2025

Register

Claude Code training for developers

2 days (14 hours)

Overview

Our Claude Code training for developers will enable you to take full advantage of an AI assistant designed for code generation, understanding, and refactoring.
With a focus on productivity, Claude Code integrates into teams' daily workflows (IDE, CI/CD, API) to accelerate development, enhance quality, and automatically document code bases.

This comprehensive program will provide you with an in-depth understanding of how Claude Code works, covering its advanced coding assistance capabilities, best practices for prompt engineering, and effective use for generating tests, documentation, and manipulating structured formats such as JSON and YAML.

You will also learn how to integrate Claude Code via API/SDK and into IDEs (VS Code/JetBrains), as well as how it works with orchestration tools (e.g., LangChain) to build intelligent workflows. Finally, the training will guide you through the creation and integration of custom tools (agents, scripts, pipelines) into your projects, while mastering best practices for security and API key management.

This training will be conducted using an accessible version of the tool: Claude Code, which has most of the advanced features useful for development.

Objectives

- Understand the advanced features of Claude Code and its positioning for developers
- Generate, refactor, and document code with Claude Code
- Interpret and manipulate structured formats (JSON, YAML) using Claude Code
- Effectively integrate Claude Code into modern applications via API, SDK, and IDE

- Orchestrate Claude Code with frameworks (e.g., LangChain) to create workflows and developer tools
- Implement generated tests, assisted reviews, and automated CI/CD pipelines
- Ensure secure API key management and apply security best practices specific to code-oriented LLMs

Target audience

- Developers
- AI engineers

Prerequisites

- Programming knowledge
- Familiarity with JSON formats and orchestration principles (e.g., LangChain)

Claude Code training program: Accelerating and securing development

Getting started with Claude Code and assisted generation

- Prompt and context engineer
- Tokens and token range
- Creating a context
- Prompt rules
- Best practices

Introduction to Claude Code

- Presentation of Anthropic and Claude
- Positioning relative to other tools (e.g., GitHub Copilot, Cursor)
- Use cases in the development cycle

Installation and configuration

- Accessing Claude Code (interfaces, plugins, IDE extensions)

- Configuring the work environment (VS Code, JetBrains, etc.)

Claude Code - Interactive chat

- Prompting and best practices
- Chat modes
- File calls
- Linux shell
- The first flags: --model, --system-prompt

Slash commands

- init, the CLAUDE.md file
- add-dir, context, status, memory, ...
- review, todos, cost, status, ...

Configurations

- Permissions: deny / allow / ask

Practical workshop

- Initializing our project
- Command line call from a prompt

Advanced features / Customization

- Slash commands
- Customization
- Settings
- Organization

The concept of plugins

- Creation
- Call and specific cases

MCP

- Concepts and goals
- Addition

- Listing
- Use cases
- Limitations and best practices

Sub-agents

- Concept of agents and sub-agents
- Creation
- Orchestrations

Putting into practice

- Adding a slash command to organize our feature
- Adding access to an MCP

Companies involved

This training is aimed at both individuals and companies, large or small, wishing to train their teams in new advanced IT technology or to acquire specific professional knowledge or modern methods.

Placement at the start of training

The placement test at the start of the training course complies with Qualiopi quality criteria. Once they have finalized their registration, learners receive a self-assessment questionnaire that allows us to assess their estimated level of proficiency in different types of technologies, as well as their expectations and personal objectives for the upcoming training course, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could be problematic for the monitoring and smooth running of the training session.

Teaching methods

Practical training: 60% practical, 40% theory. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the trainer, supported by examples and reflection sessions, and group work.

Validation

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been correctly acquired.

Certification

A certificate will be issued to each trainee who has completed the entire training course.