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Register

Google Antigravity Training

2 days (14 hours)

Overview

Our training course introduces you to Google Antigravity, a next-generation IDE designed to accelerate web development using intelligent agents that assist developers with code writing, error analysis, technical optimization, and the automation of repetitive tasks.

This AI-driven platform offers a seamless experience that significantly increases productivity while improving the overall quality and consistency of web projects.

The Google Antigravity training course will teach you how to master web development automation, generate consistent code, refactor existing projects, audit your applications, and configure intelligent workflows tailored to your work environment.

You will also learn how to create, customize, and manage specialized agents that can assist you with development, debugging, testing, documentation, and maintenance.

At the end of this training, you will be able to industrialize your web projects using Antigravity agents, integrate the IDE into your CI/CD pipelines, automate key actions in your applications, and improve the overall performance of your code.

Like all our training courses, this one introduces you to the latest stable version of [Google Antigravity](#) available, as well as the IDE's most recent features.

Objectives

- Use Google Antigravity in modern web projects
- Accelerate development with intelligent agents

- Automate debugging, testing, auditing, and optimization
- Integrate Antigravity into Git and CI/CD workflows
- Implement best practices for AI + development

Target audience

- Web developers
- Full-stack developers
- Software engineers
- Tech leads

Prerequisites

- Basic knowledge of web development
- Proficiency in a framework (React, Vue, Node, etc.)
- Git knowledge recommended

Google Antigravity training program

[Day 1 - Morning]

Introduction to Google Antigravity and installation

- The challenges of AI-enhanced IDEs in web development
- Discovering the Antigravity ecosystem: agents, tools, extensions
- Installation, initial configuration, and connection to web projects
- Productivity settings: smart actions, snippets, suggestions
- Importing existing projects: React, Vue, Node, APIs
- Hands-on workshop: Complete installation / opening a project / first AI actions.

[Day 1 - Afternoon]

Getting started with agent-assisted IDE

- Understanding the agent-first philosophy and its impact on workflow
- Agent management: requests, context, limitations
- Generating frontend structures (components, pages, styles)
- Generating backend endpoints and API integrations
- Human-AI collaboration: correction, adjustments, effective prompts
- Hands-on workshop: Creating an agent-driven component + API.

Web development automation

- Automatic creation of complete modules (CRUD, pages, forms)
- Intelligent refactoring: restructuring, renaming, simplification
- Automatic project consistency analysis (routes, imports, dependencies)
- Management of AI-generated states, services, stores, and contexts
- Best practices for supervising AI actions
- Hands-on workshop: Generation of a complete mini web project.

[Day 2 - Morning]

AI-assisted debugging, auditing, and optimization

- Conversational debugging: error reproduction, analysis, and correction
- Static analysis + automatic detection of debts and vulnerabilities
- Web performance optimization (render, bundle, API)
- AI-assisted accessibility and W3C best practices
- Unit, integration, and end-to-end test generation
- Hands-on workshop: Bug fixing and automated optimization.

[Day 2 - Afternoon]

Advanced automation: documentation, QA, and maintenance

- Automatic documentation generation: endpoints, schemas, workflows
- Use of QA agents: coverage, scenarios, edge case management
- Implementation of regular automated audits
- Scheduled actions: quality scans, checks, cleanups
- Agent sharing and team standardization
- Hands-on workshop: Creating a custom QA agent.

CI/CD integration and web industrialization

- GitHub/GitLab connection: automated PR, AI reviews
- Generation of intelligent CI/CD pipelines
- Automated web deployment (Vercel, Netlify, Cloud Run, etc.)
- AI-generated pre-merge quality checks
- Team best practices for AI usage
- Hands-on workshop: Complete CI/CD pipeline with AI validations.

Target companies

This training is intended for both individuals and companies, large or small, wishing to train their teams in new advanced IT technologies or to acquire specific business knowledge or modern methods.

Positioning at the start of training

The positioning at the start of the training complies with Qualiopi quality criteria. From the outset

Upon final registration, learners receive a self-assessment questionnaire that allows us to evaluate their estimated level of proficiency in various types of technology, as well as their expectations and personal objectives for the upcoming training, 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.

Assessment

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.