

Updated on 02/11/2026

Register

Vercel and Vercel AI training

2 days (14 hours)

Overview

Our Vercel AI training will teach you how to quickly create and deploy modern, high-performance applications powered by artificial intelligence. The strength of the Vercel platform lies in its ability to build conversational user interfaces with numerous continuous interactions.

Our program will teach you how to create applications and user interfaces with powerful tools such as React (with Next.js), Svelte (with SvelteKit), and Vue (with Nuxt). You will learn how to use the tool according to all your development needs.

Our training will teach you how to use a wide range of tools that will allow you to use LLM models for the front-end of your applications. You will also learn how to secure your applications with Vercel AI's native APIs and tools.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Understand how Vercel AI works
- Create generative UIs
- Integrate frameworks
- Deploy and integrate your project

Target audience

- **Front-end developers**
- Web Developers

Prerequisites

- Knowledge of JavaScript
- Knowledge of at least one framework supported by Vercel, such as next.js

Vercel AI SDK Training: Developing High-Performance AI Applications

[Day 1 - Morning]

The Core SDK: Unifying Access to LLMs

- AI SDK architecture
- Provider Configuration
- Mastering generateText vs streamText
- Managing System Messages, Histories, and Variables
- Hands-on workshop: Creating a unified backend capable of switching models via an environment variable.

[Day 1 - Afternoon]

Streaming and Reactive Interfaces (AI SDK UI)

- The useChat Hook
- Managing buffering, request cancellation, and errors
- Using streamObject with Zod to generate complex interfaces
- Strategies for saving conversations in the browser
- Hands-on workshop: Building a ChatGPT clone with real-time streaming management and Markdown rendering.

[Day 2 - Morning]

Advanced Features: Tools and Agents

- Teach the model to call your own business APIs
- Create complex reasoning loops with the SDK
- AI request authentication and rate limiting
- Optimize performance on Vercel's global infrastructure
- Hands-on workshop: Create an agent capable of querying a database to respond to the user.

[Day 2 - Afternoon]

Deployment, RAG, and Observability

- Use embedding functions to connect a vector database (Pinecone, Neon)
- Store chat history persistently and securely
- Observability: Monitor costs, latencies, and traces with native Vercel integration
- Deployment workflow, environment variables, and non-regression testing
- Hands-on workshop: Finalize a complete AI application, deploy to production, and perform final configuration.

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. Upon final registration, the learner receives 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, 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 discussion 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.