

# Flowise Training

Build Production AI Agents. No Code Required.

5 Modules | Hands-On Labs | Free Tools

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Presented by SOZO LAB

[www.sozolab.tech](http://www.sozolab.tech)

## Course Overview

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The Flowise Training course takes you from zero to building production-ready AI agents using Flowise, a no-code visual builder. Over 5 hands-on modules, you'll build real projects: a chat assistant, a document extractor, a research agent with web search, a RAG-powered knowledge base, and a multi-agent software house with a self-correcting loop.

All tools used in this course have free tiers — no payment details required. You'll need about 20 minutes to set up your accounts before starting.

### What You'll Learn

- Build AI chatflows with memory, personas, and structured output
- Create tool agents that search the web, calculate, and post to Slack
- Implement RAG (Retrieval-Augmented Generation) with vector stores
- Orchestrate multi-agent workflows with conditions and loops
- Deploy no-code AI solutions for real-world use cases

### Prerequisites

- Flowise Cloud account (free)
- Groq API key (free credits)
- Google AI Studio / Gemini API key (free tier)
- SerpAPI key (250 free searches/month)
- Slack workspace with webhook access (Bonus module)

### Time Commitment

Each module is a 1.5-hour hands-on lab. Total: approximately 7.5 hours of lab time, plus 20 minutes for prerequisites setup.

# Curriculum

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## WEEK 1

GroqChat Memory Persona

### The Simple Chain

Build an NGO grant strategist assistant with a defined persona and conversation memory. Add three nodes, wire them together, and customise the chat interface.

Key concepts: Chat models, buffer window memory, system prompts, chat app configuration

## WEEK 2

PDF JSON Parser

### The Document Extractor

Turn a PDF bank statement into clean, machine-readable JSON. Wire a prompt template, LLM chain, and structured output parser.

Key concepts: LLM chains, prompt templates, structured output parsers, file upload, autofix

## WEEK 3

Tool Agent SerpAPI Slack

### The Research Partner

Build a tool agent that searches the web, does math, knows the date, and posts to Slack. Write custom JavaScript tools.

Key concepts: Tool agents, custom tools, SerpAPI, Slack webhooks, tool-calling models

## WEEK 4

RAG Embeddings Vector Store

### The Knowledge Base

Build a RAG-powered policy expert that answers questions grounded only in your uploaded documents. Uses Gemini embeddings and an in-memory vector store.

Key concepts: Document loaders, embeddings, vector stores, grounding prompts, conversational retrieval QA chain

**BONUS****Multi-Agent****AgentFlow V2****Loop**

## The Software House

Four specialist agents collaborate in an assembly line. A condition node reads the Tester's verdict, and a loop sends failed code back to the Developer for up to 3 retries.

Key concepts: AgentFlow V2, multi-agent orchestration, condition nodes, loops, flow state, self-correction

## Tools & Services Used

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### **Flowise Cloud**

No-code visual builder for AI chatflows. Free plan allows 2 saved flows.

### **Groq API**

Fast LLM inference. Free credits — no payment needed for this course.

### **Google AI Studio (Gemini)**

Embeddings for RAG. Free tier available.

### **SerpAPI**

Web search API. Free plan includes 250 searches per month.

### **Slack**

Messaging platform. Free workspace with incoming webhooks.

## About SOZO LAB

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SOZO LAB is a global social enterprise helping organisations scale their social innovation efforts quickly, affordably, and responsibly. We build AI solutions for the development sector, combining technical expertise with deep understanding of NGO operations.

This training course was built by practitioners who ship real AI products. Every lab solves a problem we've actually faced — from grant writing to document processing to policy research.

Web: [www.sozolab.tech](http://www.sozolab.tech)

GitHub: [github.com/SOZO-LAB-Tech](https://github.com/SOZO-LAB-Tech)