



FM

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Premium Workflow

A practical guide – step by step

AI Content Automation

A complete workflow to research, write and automatically publish content ideas with AI and APIs at scale.

CONTENT & SEO

ADVANCED

ABOUT 2–3 HOURS SETUP

OVERVIEW

AI Content Automation

A complete workflow to research, write and automatically publish content ideas with AI and APIs at scale.

CATEGORY	DIFFICULTY	DURATION
Content & SEO	Advanced	About 2–3 hours setup

What you use it for

Scalable content production for programmatic SEO projects.

Tools in this workflow

OpenAI API · Supabase · Astro · n8n

How to implement it

1

Run keyword and topic research

Use the OpenAI API to generate relevant topics and cluster them by search intent.

WHAT YOU NEED TO DO

1. Create an API key in the OpenAI dashboard
2. Send a request to the Chat Completions endpoint with the gpt-4o-mini model
3. Use the prompt: 'Generate relevant topics for <Keyword>'
4. Cluster the generated topics by search intent
5. Save the results in a CSV file

CHECK AT THE END

- [] API key successfully created
- [] Topics successfully generated and saved

RESULT

Relevant topics and keywords are generated and saved.

LINKS

Google Keyword Planner: <https://ads.google.com/home/tools/keyword-planner/>

Ahrefs Keywords Explorer: <https://ahrefs.com/keywords-explorer>

2

Set up the data model in Supabase

Create tables in Supabase to store topics, status, and metadata.

WHAT YOU NEED TO DO

1. Sign up for Supabase
2. Create a new project and select PostgreSQL as your database
3. Create a 'topics' table with fields for 'id', 'name', 'intent'
4. Create a 'metadata' table with fields for 'topic_id', 'status', 'created_at'
5. Link the tables using foreign keys

CHECK AT THE END

- [] Project successfully created
- [] Table structure correctly set up

RESULT

The data model in Supabase is set up.

3

Generate drafts with the OpenAI API

Use the OpenAI API to generate drafts for content.

WHAT YOU NEED TO DO

1. Create structured prompts for the OpenAI API
2. Send a request to the Chat Completions endpoint with the gpt-4o-mini model
3. Process the JSON output into consistent drafts
4. Save the drafts in the 'topics' table in Supabase

5. Verify the drafts for completeness

CHECK AT THE END

☐ Drafts successfully generated

☐ Drafts saved in Supabase

RESULT

Drafts for content are generated and saved.

4

Run quality checks and approvals

Conduct quality checks to ensure content meets requirements.

WHAT YOU NEED TO DO

1. Review drafts for facts and duplicates
2. Validate content against SEO criteria
3. Mark approved drafts in the 'metadata' table
4. Perform a final review
5. Prepare content for publication

CHECK AT THE END

- ☐ Drafts reviewed for facts
- ☐ SEO criteria validated

RESULT

Content is quality-checked and ready for publication.

LINKS

Google Search Essentials: <https://developers.google.com/search/docs/essentials>

5

Publish automatically via CI/CD

Set up a CI/CD workflow to automatically publish approved content.

WHAT YOU NEED TO DO

1. Install Astro with `npm create astro@latest`
2. Create static pages for approved content
3. Set up a CI/CD system with n8n
4. Automate the deployment process on every approved change
5. Verify successful publication of content

CHECK AT THE END

- ☐ Astro installed successfully
- ☐ CI/CD workflow set up

RESULT

Approved content is automatically published.

RECOMMENDED TOOLS & RESOURCES

Recommended Tools & Resources

All tools in this workflow with their official website.

OpenAI API

<https://platform.openai.com/?ref=flowmatrix>

Official URL

Supabase

<https://supabase.com/?ref=flowmatrix>

Official URL

Astro

<https://astro.build/>

n8n

<https://n8n.io/?ref=flowmatrix>

Official URL

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