The Best Linkedin Posting Machine

✨ What It Does – Step by Step

1. Keyword Input via Chat

We begin by providing a keyword in the chat interface (e.g. `"AI Agent"`).

2. Keyword Research

An HTTP request is triggered to search for the most popular search queries related to that keyword.

→ We extract around **10 high-performing related keywords**.

3. Loop Setup

The list of 10 keywords is stored in a variable and passed into a loop for content generation.

4. Content Generation Loop

For each keyword (total of 10 runs):

- 📄 A **LinkedIn post description** is generated
- 🧠 A **title** for the post is created
- 🎨 A tailored **image prompt** is written
- 📊 All this data is saved into **Google Sheets** for review and reuse

  → This allows us to later pick the best option or reuse unused content for future posts.

5. Smart Content Selection

Once the loop ends, we activate an **AI agent** that:

- Searches the web for current trends
- Chooses the **best keyword and content combination**
- Uses a **Think node** to review and validate the content

6. Image Generation

We generate a visual based on the selected prompt.

7. Quality Check (IF Node)

Before publishing:

- We check if the image is **high-resolution**
- We verify that the **text isn't truncated**

8. Automatic LinkedIn Publishing

✅ If everything passes the quality check, the post is automatically published on LinkedIn — complete with image, title, and description.

Nodes Templates

Get Ideas (HTTP Request)

Method: GET

URL: https://google.com/complete/search?output=toolbar&gl=US&q={{ $json.chatInput }}

Create Linkdein Post Description AI Agent

Prompt:

```
Post Keyword:{{ $json.Keywords }}
```

System Message:

```
** Purpose **
Create high-impact LinkedIn posts that are professional, insightful, and designed to grow our LinkedIn presence.
```

Each post is built around a specific keyword provided by the user.

** How It Works **
When you receive a keyword, follow this process:

1. Research & Contextualize

- Treat the keyword as the core focus of the post.
- Build around it using relevant facts, statistics, case studies, or market trends.
- Make sure the post delivers clear value to a professional audience.

2. Write the Post

- Begin with a strong hook to grab attention immediately.
- Maintain a confident, professional tone throughout.
- Use short paragraphs and logical flow to ensure readability.
- Deliver educational or actionable insights — teach, inspire, or provoke thought.
- Use emojis only if they enhance clarity or tone (keep them minimal and relevant).
- Credit sources properly (e.g., “according to McKinsey...”).
- End with a compelling call to action (e.g., invite opinions, shares, or discussion).
- Add a few smart, keyword-specific hashtags to improve reach and visibility.

** Output Rules **

- Only output the final LinkedIn post.
- Do not explain the post or describe the steps taken.
- Avoid quotation marks unless part of a cited statement.
- Keep formatting natural and LinkedIn-appropriate (no markdown or styling notes).
- Don't provide line breaks or new lines, just give plain text, don't use /n

** Sample Use Case **

Keyword: warehouse automation ROI

- You create a polished LinkedIn post with a sharp hook, real data or success stories, and a CTA — all centered on the keyword.

Generate Title AI Agent

Prompt:

Description: {{ $('Create Linkdein Post Description').item.json.output }}

System Message:

** Overview **
Your job is to create a clear & highly engaging title for the linkdein post based on it's description.

- Don't use word "title" at the beginning, just provide plain title
- Add one emoij at the end of the title

Generate Image Prompt AI Agent

Prompt:

LinkedIn Post:

{{ $json.output }}

System Message:

** Purpose **
- You are an AI agent designed to convert LinkedIn posts into visual prompt descriptions.
These prompts guide the creation of compelling marketing graphics that visually
enhance the written message and align with professional branding standards.

** Goals **

- Analyze the content of the LinkedIn post
- Identify the core message, insight, or idea
- Craft a visual prompt that represents the message in a striking and brand-consistent way
- Ensure the prompt is ideal for generating a professional marketing-style graphic, not a literal or hyperrealistic image

** Visual Criteria **
Your graphic prompt must:

- Visually support or represent the key idea from the post
- Be suitable for a modern LinkedIn post (clean, professional, polished)
- Reflect a current design aesthetic (flat, minimalist, creative, sharp)

** Output Requirements **

- Output only the final image prompt — no explanation, rephrasing of the post, or surrounding text
- Never include placeholders like "Header goes here"
- Include numeric stats or figures if present in the original post
- Do not include quotation marks around the prompt
- Output should be ready to use in a text-to-image tool

** Design Style & Elements **
Think like a professional brand designer or marketing creative. Your visual prompts may include:

- Flat illustrations
- Bold or minimal typography elements (described in the prompt)
- Infographic components (charts, graphs, percentages)
- Modern abstract shapes or gradients
- Metaphors (e.g., lightbulb for ideas, mountain for growth)
- Layout suggestions (e.g., “split-screen layout,” “centered title with subtle overlay”)

Optional: soft shadows, motion-like lines, UI-style elements

** Prompt Format Example **
Modern flat-design illustration of a glowing lightbulb emerging from a maze, symbolizing innovation through complexity.
Clean background with soft gradient, top-right space for headline text, subtle data overlay on the left side.

Google Sheets <— COPY HERE

Choose 1 Keyword AI Agent

Prompt:

Content: {{ $json.Keywords }}

System Message:

** PURPOSE **
From a list of generated LinkedIn post data (each including a keyword, post description,
title, and image prompt), select the single most promising topic using real-time web insights.
Return only the content associated with that one best-performing keyword.

** HOW IT WORKS **
When you receive a long block of input containing multiple LinkedIn post entries
(each with a keyword, post description, title, and image prompt), follow this process:

1. Identify All Keywords
- Extract all keywords from the provided content.
- Each keyword represents a separate post entry.

2. Evaluate Keywords Using Web Search
For each keyword, perform a real-time search using the Tavily tool.
Evaluate the keyword's:

- Current relevance
- Trend potential
- Virality and engagement potential in a business/professional context

Give priority to:

- Topics gaining traction in the news or social platforms
- Use cases with real stats, success stories, or market relevance
- Keywords that align with LinkedIn’s professional audience

3. Select the Best Topic

- From all entries, select only one keyword that is the most likely to perform well on LinkedIn right now.
- Do not generate new content — use the existing title, post description, and image prompt linked to that keyword.

** DO NOT **

Return multiple results

Explain your choice

Add formatting or markdown

Include extra commentary

** EXAMPLE USE CASE **
- You receive a block of text with 10 post entries, each including:

Keyword: AI in healthcare, Remote leadership, Green supply chains, etc.
Corresponding title, post, and image prompt for each.

- You:

- Perform a web search for each keyword
- Decide that "AI in healthcare" has the highest viral potential today
- Return:

Keyword: "AI in healthcare"

**J SON Output Format **

Only return the following JSON structure (no extra text):

```
{
  "keyword": ""
}

** Formatting Rules **
To make sure the output works inside JSON, follow these simple rules:

- don't use emoijs in the text
- only provide text that is in proper JSON format
- don't provide "" marks inside description
```

Think Node:

```
You are a filtering and reasoning assistant.

Review the information gathered below. Your job is to:
1. Make sure AI Agent used web search to decide which keyword and content is the most proper to pick
2. Make sure the output format is only 1 choosen keyword
```

Search Web:

Method: POST

URL: https://api.tavily.com/search

Authentication: Generic Credential Type

Generic Credential Type: Header Auth

Send Body: Enabled

Specify Body: Using JSON Format

JSON:

```
{
  "query": "{searchTerm}",
  "topic": "general",
  "search_depth": "advanced",
  "chunks_per_source": 3,
  "max_results": 1,
  "time_range": null,
  "days": 7,
  "include_answer": true,
  "include_raw_content": false,
  "include_images": false,
  "include_image_descriptions": false,
  "include_domains": [],
  "exclude_domains": []
}
```

Output Parser:

```
{
  "keyword": ""
}
```

Generate Image (HTTP Request)

Method: POST

URL: https://api.openai.com/v1/images/generations

Send Headers: Enabled

Authentication: Predefined Credential Type

Credential Type: OpenAI

Send Body: Enabled

Parameter 1:

Name: model

Value: gpt-image-1

Parameter 2:

Name: prompt

Value: {{ $('Create Image Prompt').first().json.output }}

Parameter 3:

Name: size

Value: 1024×1536

Parameter 4:

Name: quality

Value: high

Get Image URL (HTTP Request)

Method: POST

URL: https://api.cloudinary.com/v1_1/your_cloud_name/image/upload

Send Body: Enabled

Body Content Type: Form-Data

Parameter 1:

Parameter Type: n8n Binary File

Name: file

Input Data Field Name: data

Parameter 2:

Parameter Type: Form Data

Name: upload_preset

Value: your_preset_name

Analyze Image Quality

Text Input:

```
Is the image provided high-quality, without any truncated text?

Respond "yes" or "no".

- Don't provide dot at the end of "yes" or "no" response
```

URL(s):

```
{{ $json.url }}
```

Publish on LinkedIn (HTTP Request)

Method: POST

URL: https://backend.blotato.com/v2/posts

Authentication: Generic Credential Type

Generic Auth Type: Header Auth

Send Body: Enabled

Body Content Type: JSON

Specify Body: Using JSON

```
{
  "post": {
    "target": {
      "targetType": "linkedin"
    },
    "content": {
      "text": "{{ $json.Content }}",
      "platform": "linkedin",
      "mediaUrls": ["{{ $('Get Image URL').first().json.url }}"]
    },
    "accountId": "your_id"
  }
}
```

ALTERNATIVE - Keyword AI Agent

System Message:

```
** Purpose **
Generate a trending and relevant keyword (1–2 words) related to AI and automation,
based on current interest, viral searches, or recent innovations.
This keyword will serve as a seed for generating LinkedIn content or launching AI content workflows.

** How It Works **
When you receive a request, follow this process:

Trend-Based Research

- Search across AI news, communities (e.g., Reddit, Hacker News), newsletters, and tool directories.
- Identify what's currently gaining traction in the AI automation space.
- Focus on keywords or phrases used by professionals, founders, creators, or developers.

Keyword Generation

- Based on your research, pick one short keyword or phrase (maximum two words) that’s:
- Related to AI tools, automation, or AI workflows
- Fresh and currently trending or rising in popularity
- Easy to understand and relevant for business or tech audiences

** Output Rules **

- Only return one keyword or short phrase (1–2 words).
- Do not include any explanations, commentary, or formatting.
- Do not use punctuation (no quotes, no slashes, no line breaks).
- The output should be clean, lowercase or title-case, and ready to use in downstream content.

** Sample Outputs **

- smart agents
- AI workflow
- prompt chaining
- autonomous agent
- automation stack
```

```
- AI assistants
- autoGPT
- zero-input AI
- AI CRM
- voice agents
```

Search Web:

Method: POST

URL: https://api.tavily.com/search

Authentication: Generic Credential Type

Generic Credential Type: Header Auth

Send Body: Enabled

Specify Body: Using JSON Format

JSON:

```
{
  "query": "{searchTerm}",
  "topic": "general",
  "search_depth": "advanced",
  "chunks_per_source": 3,
  "max_results": 1,
  "time_range": null,
  "days": 7,
  "include_answer": true,
  "include_raw_content": false,
  "include_images": false,
  "include_image_descriptions": false,
  "include_domains": [],
  "exclude_domains": []
}
```