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Prompts & Links - Build AI Agent That Generates Viral Style AI Videos with n8n (Step-by-Step + No-Code)

(Follow the instructions in this video: https://youtu.be/x8VsW_TCqPY)

Templates:

WhatsApp AI Agent Template for Instant Setup

<https://fabimarkl.com/automation-templates/#viralvideo-maker>

Google Sheet Template (must follow YT tutorial for correct setup):

https://docs.google.com/spreadsheets/d/1y55CrycK_-U8xMBn9fzy35MWqm88TSCrIejhxGkoLVY/copy

Links:

Free Trial for N8N Account:

<https://n8n.io/>

Download Telegram App:

<https://telegram.org/>

Get API Key for OpenAI:

<https://platform.openai.com/>

Setup PiAPI Account:

<https://piapi.ai>

Setup Cloudinary Account

https://cloudinary.com/users/register_free

Setup JSON2Video Account:

<https://json2video.com/>

Setup Zapier Account:

<https://zapier.com/>

Setup Buffer Account:

<https://buffer.com/>

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Split Function

```
const input = $input.first().json.message.text;

// Remove "Generate video" from the start (case-insensitive)
const cleaned = input.replace(/^generate video/i, '').trim();

// Split at the first comma
const [videoPrompt, captionIdea] = cleaned.split(/,(.+)/).map(s => s.trim());

return [
  {
    json: {
      videoPrompt,
      captionIdea
    }
  }
];
```

Systems Instructions - AI Agent:

You are a prompt-writing assistant for the text to video ai generator Kling AI.

Your Task:

Your job is to take a short input from the user and turn it into a effective video generation prompt, designed for Kling AI.

After generating the image prompt, you will return only the final prompt, without explanations or extra text.

Follow this formatting and tone guide based on these examples:

1. A dog playing in the yard.

A golden retriever chases a blue frisbee across a green backyard. Garden tools lean against a red brick wall. White butterflies flutter near purple flowers. The dog jumps and catches the frisbee mid-air. Sunlight filters through maple tree branches above.

2. Coffe Mug

White ceramic coffee mug on glossy marble countertop with morning window light. Camera slowly rotates 360 degrees around the mug, pausing briefly at the handle.

3. The Vibrant Street Performer

A lively street performer in her early 30s captivates a small crowd in a bustling city square. She has vibrant teal hair in a messy updo, bright green eyes, and a contagious smile. Her face is adorned with intricate, shimmering face paint in swirling patterns. She's wearing a colorful, patchwork dress and is mid-motion, juggling three flaming torches. The background is slightly blurred, showing impressed onlookers and the warm glow of street lamps at dusk.

#Building Your Prompt Step-By-Step

Start with your main subject. Be exact about what you want to show. Instead of "a person," write "a young professional in a blue suit."

Next, describe the exact setting. Your background matters as much as your subject. Write "inside a modern office with floor-to-ceiling windows and minimalist furniture" instead of just "in an office."

Add specific lighting details. Tell the AI exactly how light hits your scene. For example, Write "morning sunlight streams through windows, creating soft shadows on the floor" or "overhead spotlights cast sharp circles on the surface."

Include clear movement instructions. The camera should move with purpose. For example, "the view starts at ground level, rises smoothly to 10 feet, then tracks left to show the full scene."

#Rules:

Do NOT include any introductory or closing remarks. Just the video prompt.

VideoID Function

```
function generateRandomCode(length = 20) {
  const chars =
'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789';
  let result = '';
  for (let i = 0; i < length; i++) {
    result += chars[Math.floor(Math.random() * chars.length)];
  }
  return result;
}
```

```

return [
  {
    json: {
      code: generateRandomCode()
    }
  }
];

```

HTTP Generate Video JSON

```

{
  "model": "kling",
  "task_type": "video_generation",
  "input": {
    "prompt": "{{ $('AI Agent').item.json.output }}",
    "negative_prompt": "",
    "cfg_scale": 0.5,
    "duration": 10,
    "aspect_ratio": "9:16",
    "version": "1.6",
    "camera_control": {
      "type": "simple",
      "config": {
        "horizontal": 0,
        "vertical": 0,
        "pan": -10,
        "tilt": 0,
        "roll": 0,
        "zoom": 0
      }
    },
    "mode": "std"
  },
  "config": {
    "service_mode": "",
    "webhook_config": {
      "endpoint": "",
      "secret": ""
    }
  }
}

```

Voice Over Script Prompt:

Generate a text over the voice over for a video. Your text must be the exact word count of a 7 second video has on average. This is the voice over topic:

```
{{ $('Split').first().json.captionIdea }}
```

#Rule: Give me only the raw voice over script without any introductions like "Here' is your voice over script."

HTTP Cloudinary Upload:

https://api.cloudinary.com/v1_1/INSERT_CLOUDINARY_ID/auto/upload

HTTP Merge Audio+Video:

```
{
  "headers": {
    "x-api-key": "API_KEY"
  }
}
```

<https://api.json2video.com/v2/movies>

```
{
  "resolution": "custom",
  "width": 720,
  "height": 1280,
  "scenes": [
    {
      "elements": [
        {
          "type": "video",
          "src": "{{ $('Get
Video').item.json.data.output.video_url }}",
          "resize": "cover"
        },
        {
          "type": "audio",
          "src": "{{ $json.url }}"
        }
      ]
    }
  ]
}
```

```
}
```

```
---
```

```
https://api.json2video.com/v2/movies?id={{ $json.project }}
```

HTTP Add Captions to Video:

```
https://api.json2video.com/v2/movies
```

```
---
```

```
{
  "id": "qbaasr7s",
  "resolution": "custom",
  "quality": "high",
  "scenes": [
    {
      "id": "qyjh9lwj",
      "comment": "Scene 1",
      "elements": []
    }
  ],
  "elements": [
    {
      "id": "q6dznzcv",
      "type": "video",
      "src": "{{ $json.movie.url }}"
    },
    {
      "id": "q4ln9kxp",
      "type": "subtitles",
      "settings": {
        "style": "classic-progressive",
        "position": "center-center",
        "font-family": "Oswald",
        "font-size": 140,
        "word-color": "#ffd700",
        "shadow-color": "#260B1B",
        "line-color": "#F1E7F4",
        "shadow-offset": 0,
        "box-color": "#260B1B",
        "outline-color": "#000000",
        "outline-width": 8
      },
      "language": "en"
    }
  ],
  "width": 720,
```

```
"height": 1280
}
```

```
-----
https://api.json2video.com/v2/movies?id={{ $json.project }}
```

Generate Social Media Captions Prompt:

Write a short social media caption based on this voiceover:

```
{{ $('AI Voice Over').item.json.message.content }}
```

Make it actionable, but not sound generic or motivational. Maybe some highly specific tips, or a problem along with a solution. and add 2 relevant hashtags. And only one sentence per line and empty line between each sentence. Then encourage to comment with a keyword if they want to get the real solution.

Telegram Response:

Here's your scheduled video:

```
-----
Caption Text: {{ $json['Caption Text'] }}
```

```
-----
Video Link: {{ $json['Video URL'] }}
```

Cost Breakdown

Monthly Video Automation Cost Breakdown

| Tool | 30 Videos (1 Platform) | 30 Videos (3 Platforms) | 90 Videos (1 Platform) | 90 Videos (3 Platforms) | 150 Videos (1 Platform) | 150 Videos (3 Platforms) |
|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|--------------------------|
| KlingAI API | \$15.60 | \$15.60 | \$46.80 | \$46.80 | \$78.00 | \$78.00 |
| OpenAI | \$0.18 | \$0.18 | \$0.54 | \$0.54 | \$0.90 | \$0.90 |
| OpenAI TTS | \$0.06 | \$0.06 | \$0.19 | \$0.19 | \$0.32 | \$0.32 |
| Cloudinary (Free Plan) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Json2Video | \$2.08 | \$2.08 | \$6.24 | \$6.24 | \$10.41 | \$10.41 |
| Zapier | \$0.00 | \$28.17 | \$28.17 | \$28.17 | \$28.17 | \$97.23 |
| Buffer | \$6.00 | \$6.00 | \$6.00 | \$6.00 | \$6.00 | \$6.00 |
| n8n | \$24.00 | \$24.00 | \$24.00 | \$24.00 | \$24.00 | \$24.00 |
| Total | \$47.92 | \$76.09 | \$111.94 | \$111.94 | \$147.79 | \$216.85 |
| Cost Per Video | \$1.60 | \$2.54 | \$1.24 | \$1.24 | \$0.99 | \$1.45 |

Monthly Video Automation Cost Breakdown - Budget Option

| Tool | 30 Videos (1 Platform) | 30 Videos (3 Platforms) | 90 Videos (1 Platform) | 90 Videos (3 Platforms) | 150 Videos (1 Platform) | 150 Videos (3 Platforms) |
|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|--------------------------|
| KlingAI API | \$15.60 | \$15.60 | \$46.80 | \$46.80 | \$78.00 | \$78.00 |
| OpenAI | \$0.18 | \$0.18 | \$0.54 | \$0.54 | \$0.90 | \$0.90 |
| OpenAI TTS | \$0.06 | \$0.06 | \$0.19 | \$0.19 | \$0.32 | \$0.32 |
| Cloudinary (Free Plan) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Json2Video | \$2.08 | \$2.08 | \$6.24 | \$6.24 | \$10.41 | \$10.41 |
| Buffer | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| n8n | \$24.00 | \$24.00 | \$24.00 | \$24.00 | \$24.00 | \$24.00 |
| n8n (self-hosted) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total (with n8n) | \$41.92 | \$41.92 | \$77.77 | \$77.77 | \$113.62 | \$113.62 |
| Total (self-hosted) | \$17.92 | \$17.92 | \$53.77 | \$53.77 | \$89.62 | \$89.62 |