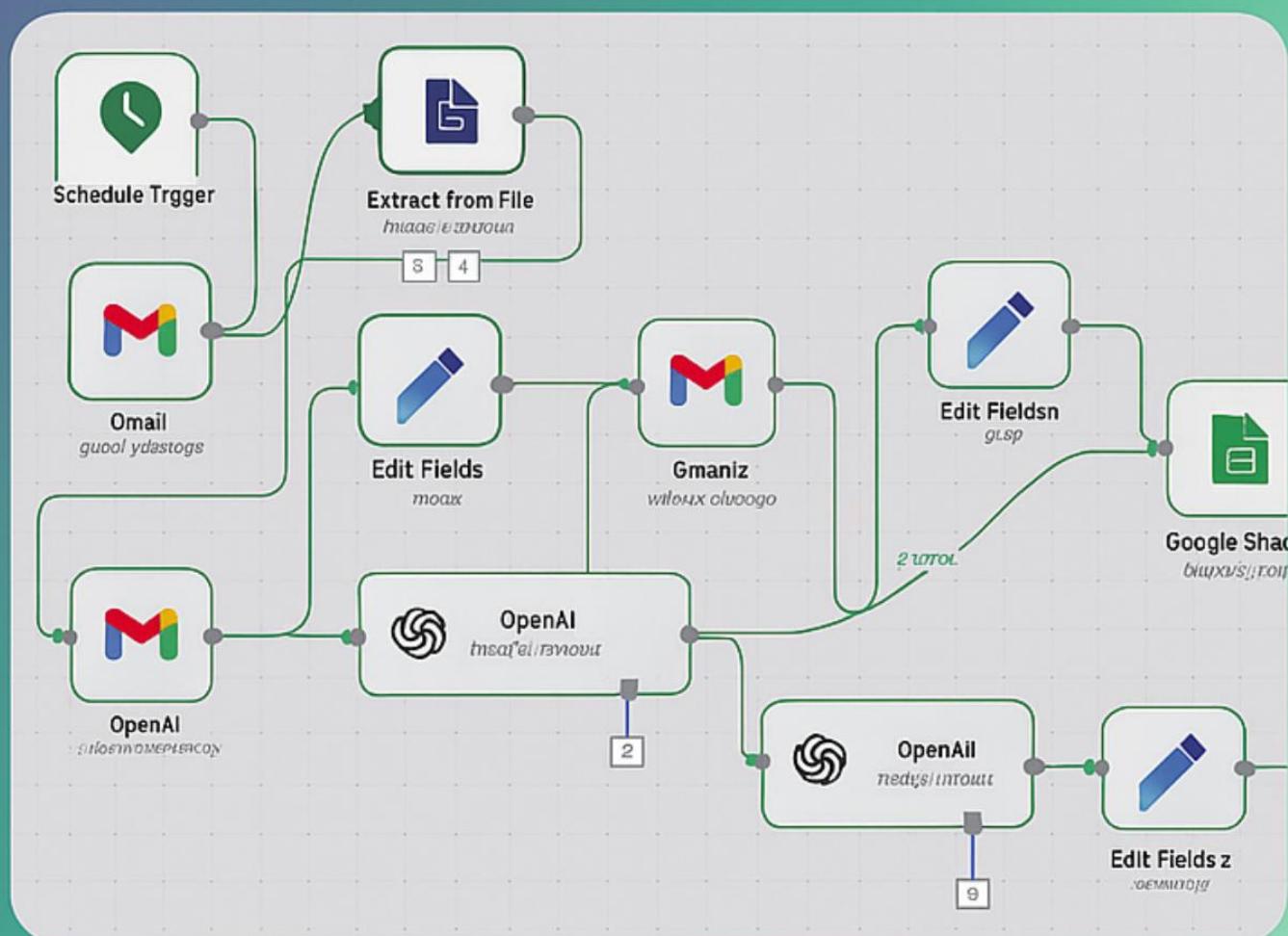
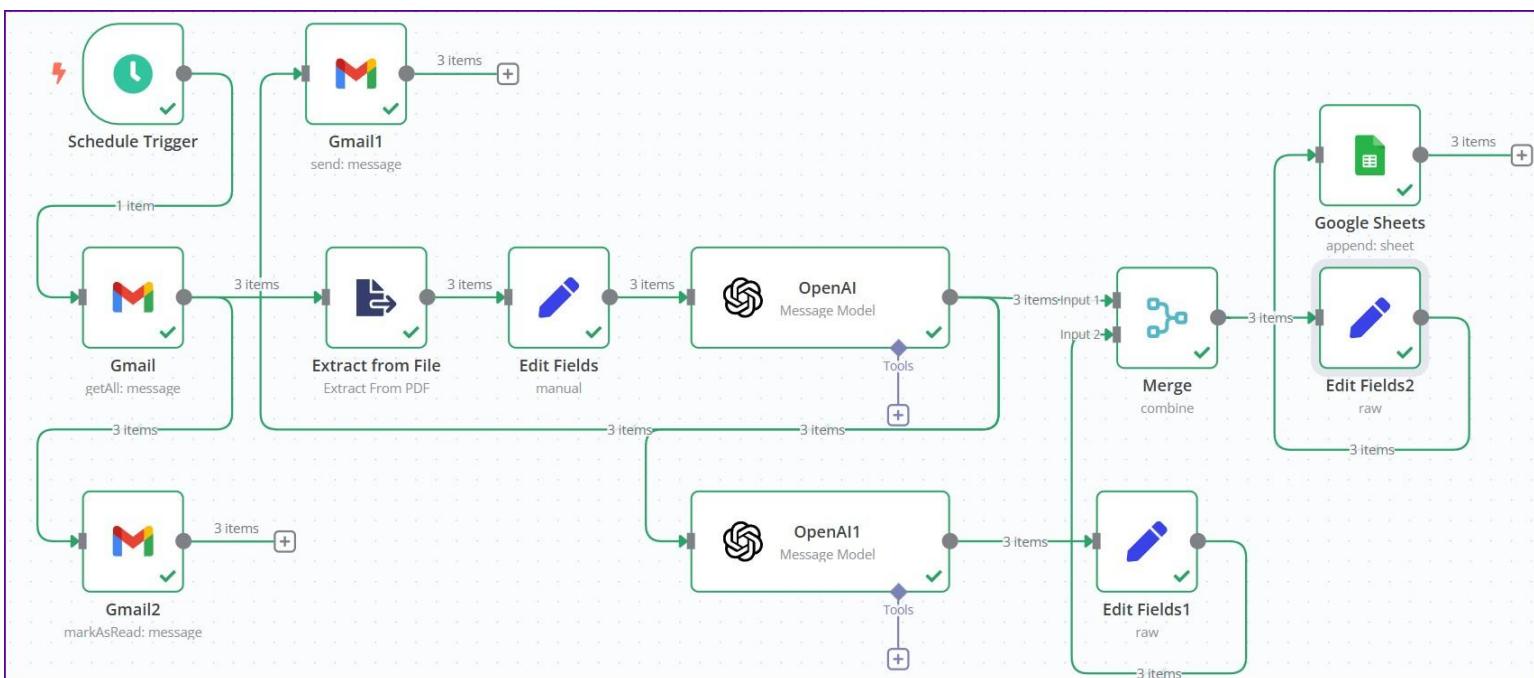


CREATE YOUR FIRST AI AGENT



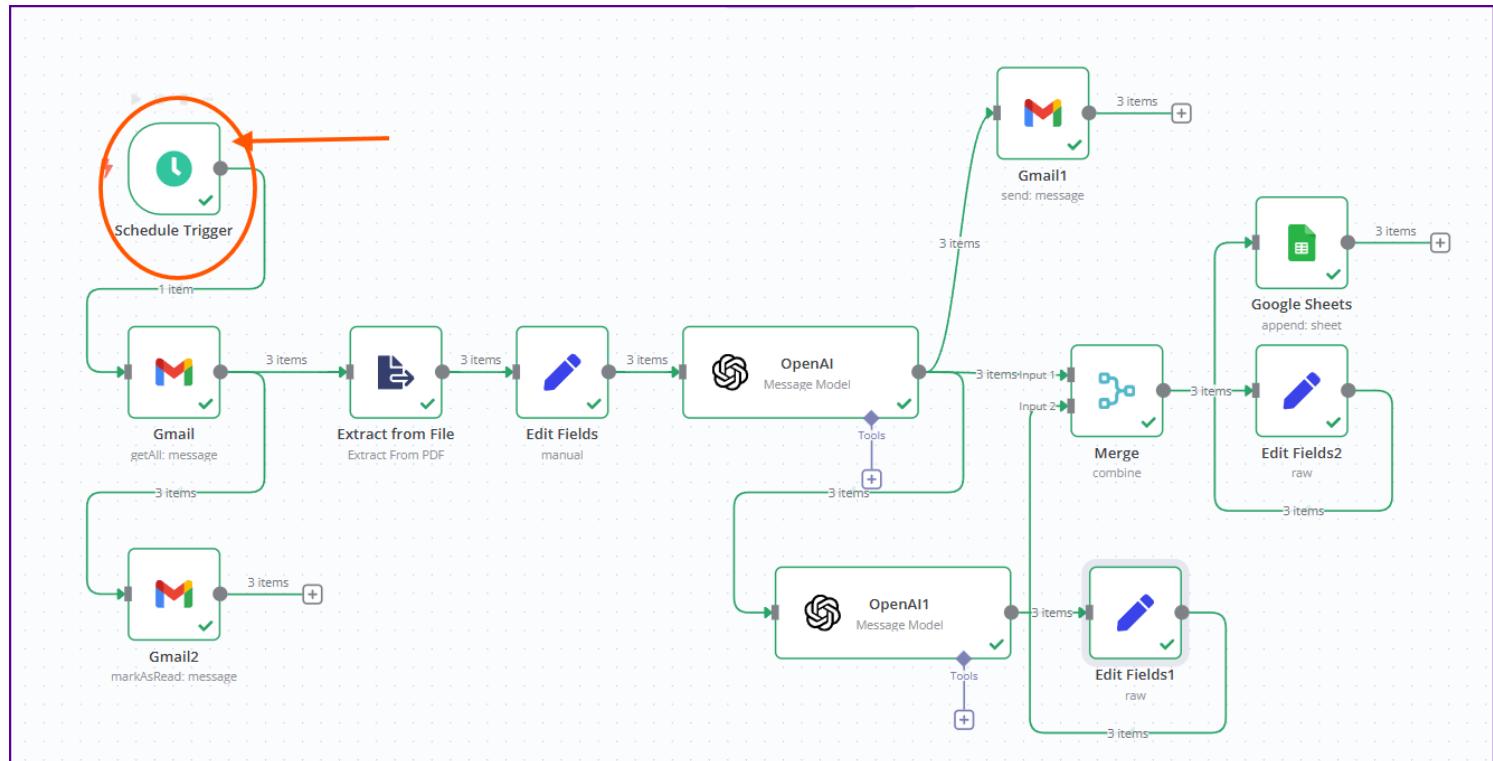
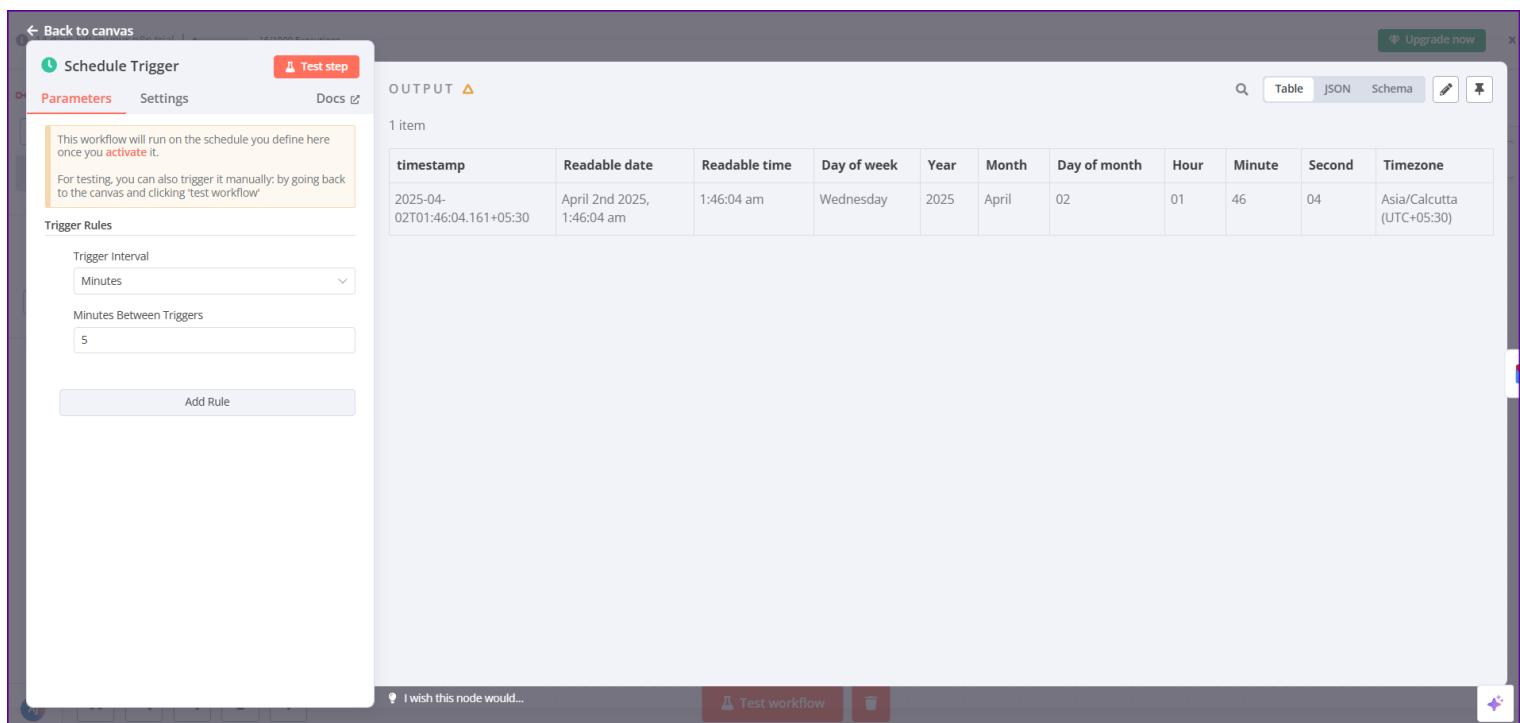


1. Watch: <https://youtu.be/nhIUq9U4nws>
2. Refer this Doc
3. In OpenAPI -- Make Sure to add 20\$ or so.
4. Get Open API Key: <https://platform.openai.com/api-keys>

🧠 Tasks of the n8n Resume Extraction AI Agent:

- Monitor Gmail for New Emails
- Continuously checks a specific Gmail inbox for incoming emails.
- Filter Emails with Attachments
- Filters emails that have PDF attachments (typically resumes).
- Download PDF Attachments
- Automatically downloads the attached resumes from the filtered emails.
- Extract Text from PDF Files
- Uses a PDF parser to extract readable text content from the resumes.
- Preprocess Extracted Content
- Cleans and formats the raw text for easier parsing (e.g., removing symbols, fixing spacing).
- Parse Resume Data Using AI
- Sends the cleaned resume text to an AI model or NLP function to extract:
 - ❖ Name
 - ❖ Contact info
 - ❖ Skills
 - ❖ Projects
 - ❖ Job roles or keywords
 - Classify or Score the Resume (Optional)
 - Store Extracted Data
 - Saves structured data (e.g., JSON format) into a database, Google Sheet, Airtable, or Notion.
 - Trigger Auto-Reply Emails (Optional)
 - Sends an automated response to the applicant (e.g., confirmation of resume received).

1. Schedule Trigger

Schedule Trigger

Parameters

This workflow will run on the schedule you define here once you **activate** it.

For testing, you can also trigger it manually: by going back to the canvas and clicking 'test workflow'

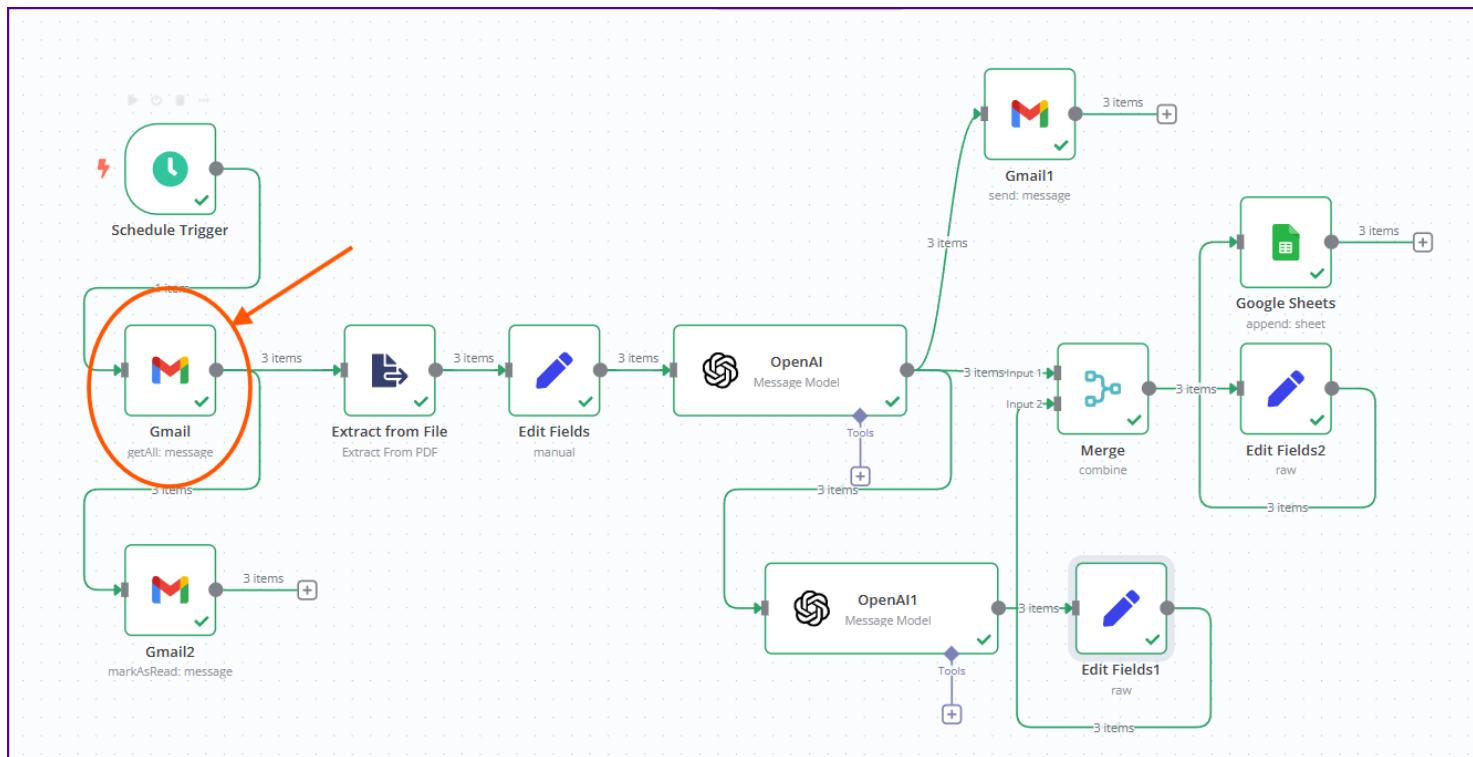
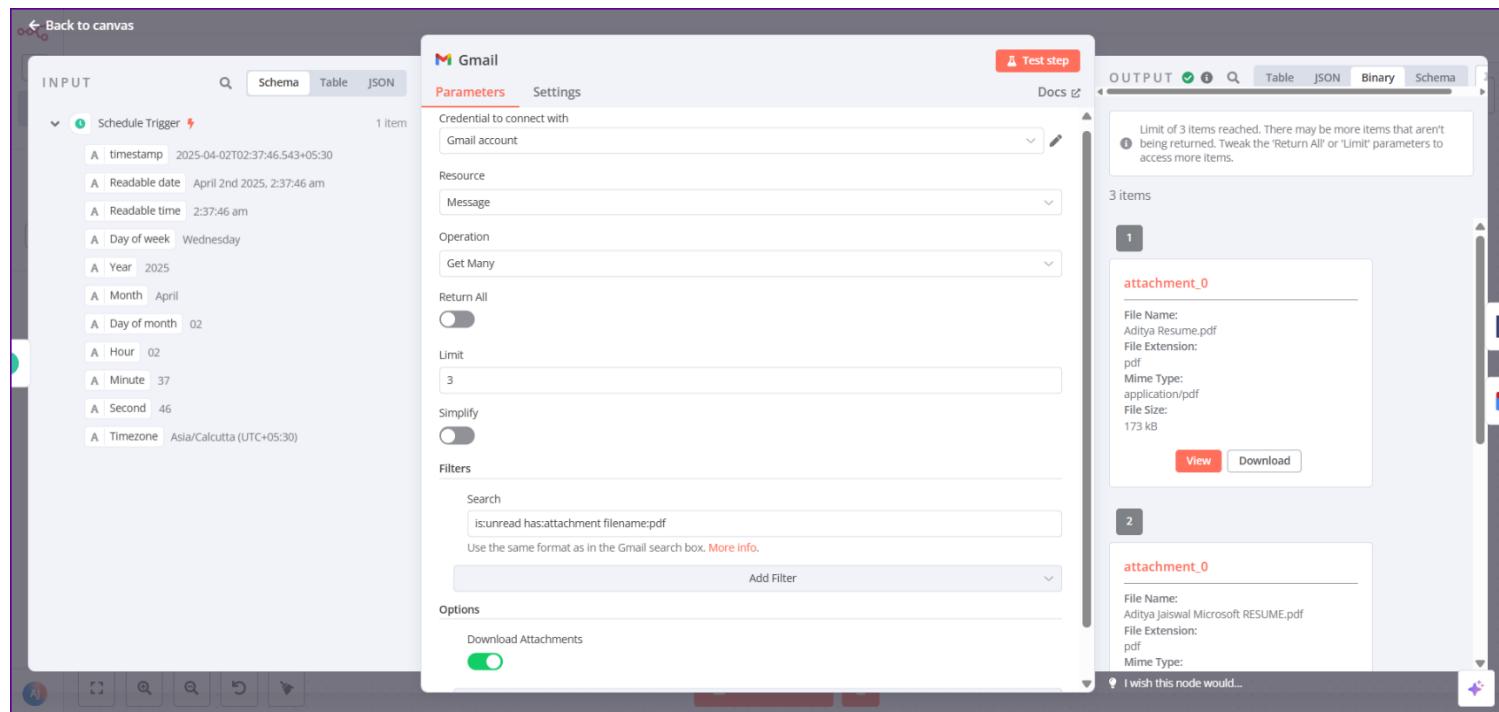
Trigger Rules

- Trigger Interval: Minutes
- Minutes Between Triggers: 5

OUTPUT

timestamp	Readable date	Readable time	Day of week	Year	Month	Day of month	Hour	Minute	Second	Timezone
2025-04-02T01:46:04.161+05:30	April 2nd 2025, 1:46:04 am	1:46:04 am	Wednesday	2025	April	02	01	46	04	Asia/Calcutta (UTC+05:30)

2. Gmail (Get Messages)

INPUT

- Schedule Trigger (1 item)
 - A timestamp: 2025-04-02T02:37:46.543+05:30
 - A Readable date: April 2nd 2025, 2:37:46 am
 - A Readable time: 2:37:46 am
 - A Day of week: Wednesday
 - A Year: 2025
 - A Month: April
 - A Day of month: 02
 - A Hour: 02
 - A Minute: 37
 - A Second: 46
 - A Timezone: Asia/Calcutta (UTC+05:30)

Gmail

Parameters

- Credential to connect with: Gmail account
- Resource: Message
- Operation: Get Many
- Return All:
- Limit: 3
- Simplify:
- Filters: Search: isunread has:attachment filename:pdf
- Add Filter
- Options: Download Attachments:

OUTPUT

Limit of 3 items reached. There may be more items that aren't being returned. Tweak the 'Return All' or 'Limit' parameters to access more items.

3 items

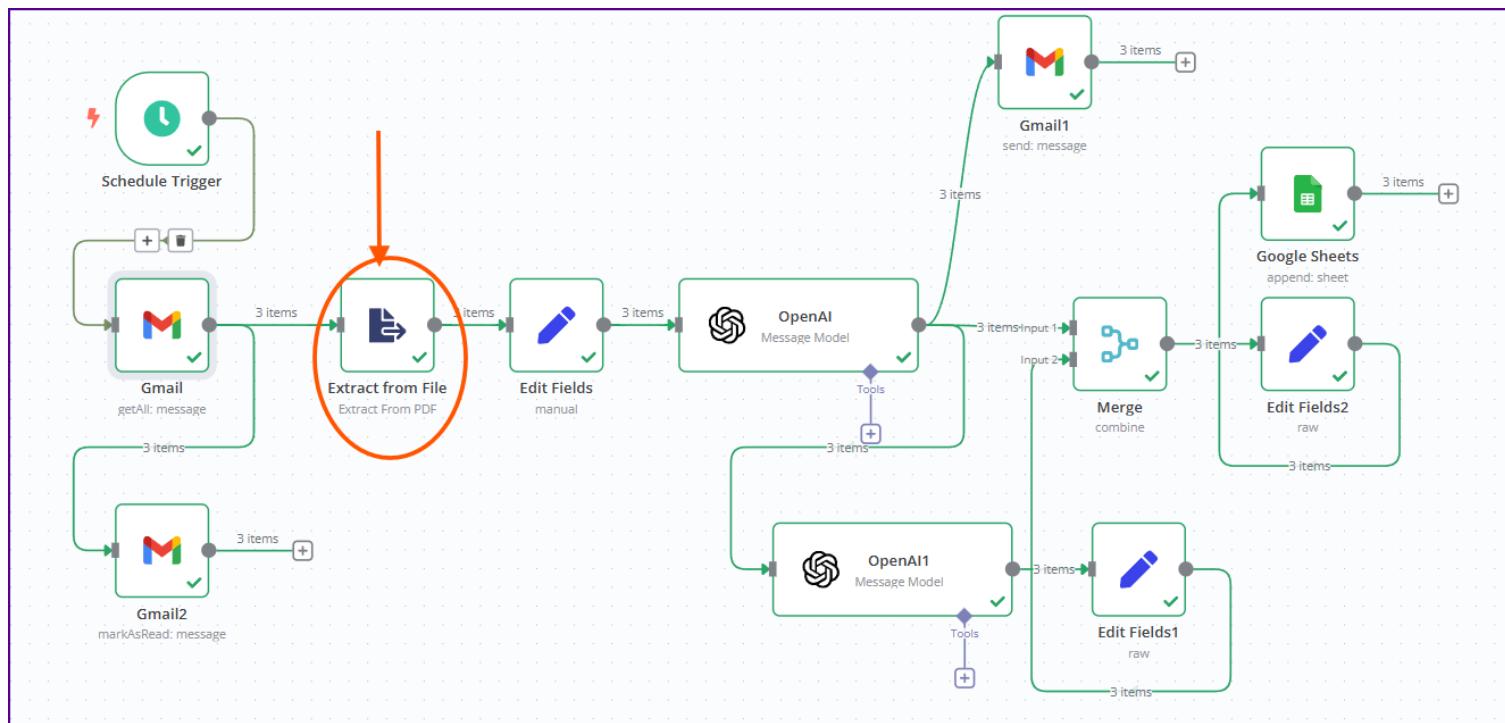
1 attachment_0

File Name: Aditya Resume.pdf
File Extension: pdf
Mime Type: application/pdf
File Size: 173 kB
[View](#) [Download](#)

2 attachment_0

File Name: Aditya Jaiswal Microsoft RESUME.pdf
File Extension: pdf
Mime Type:
I wish this node would...

3. Extract From File (Extract From PDF)



[Back to canvas](#)

INPUT

Gmail 3 items

1

attachment_0

File Name: Aditya Resume.pdf
File Extension: pdf
Mime Type: application/pdf
File Size: 173 kB

[View](#) [Download](#)

2

attachment_0

File Name: Aditya Jaiswal Microsoft RESUME.pdf
File Extension: pdf
Mime Type: application/pdf
File Size: 272 kB

Extract from File

Parameters **Settings** [Test step](#) [Docs](#)

Operation: Extract From PDF

Input Binary Field: attachment_0

The name of the input binary field containing the file to be extracted

Options:

Password:

Add option

OUTPUT

Table JSON Schema

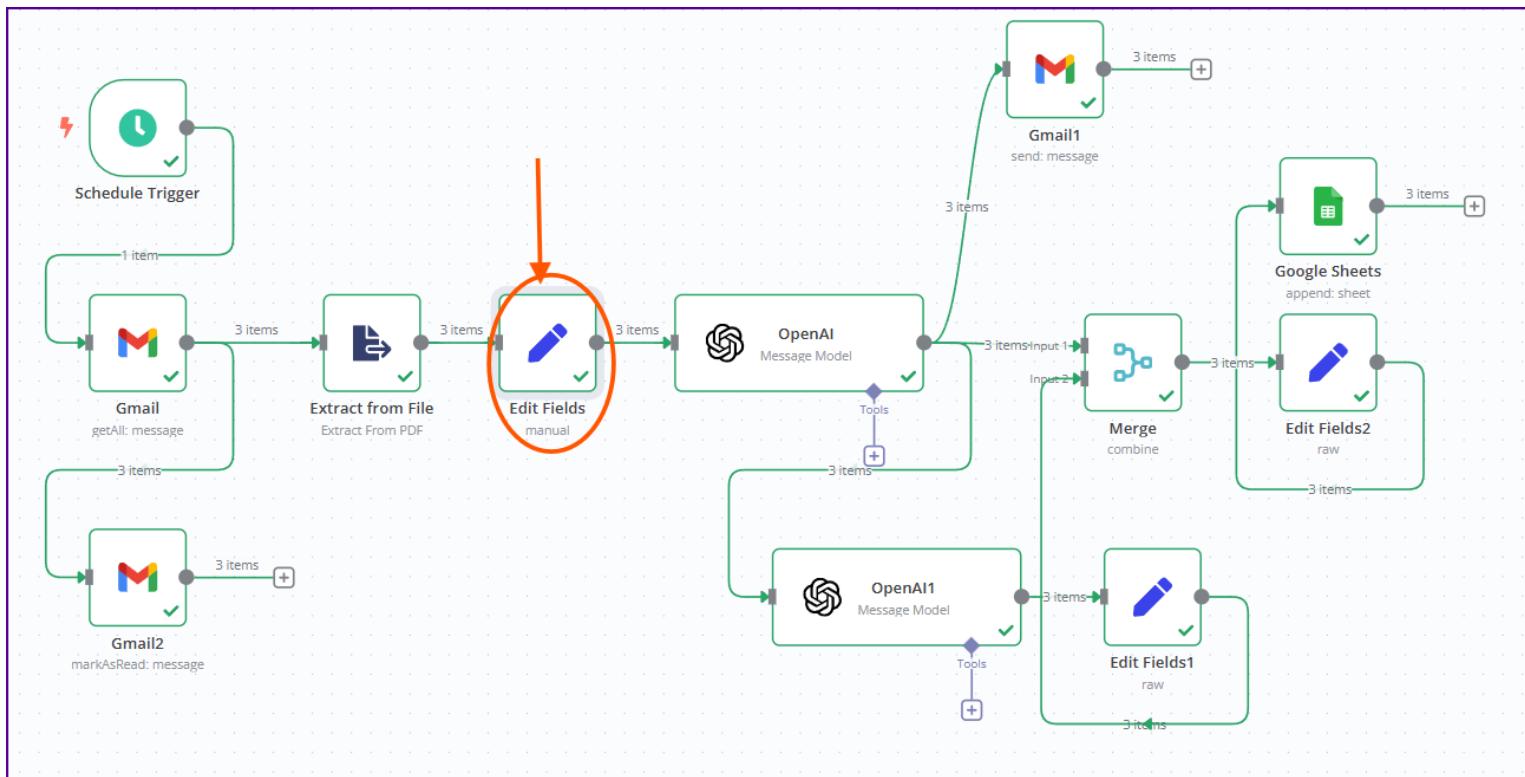
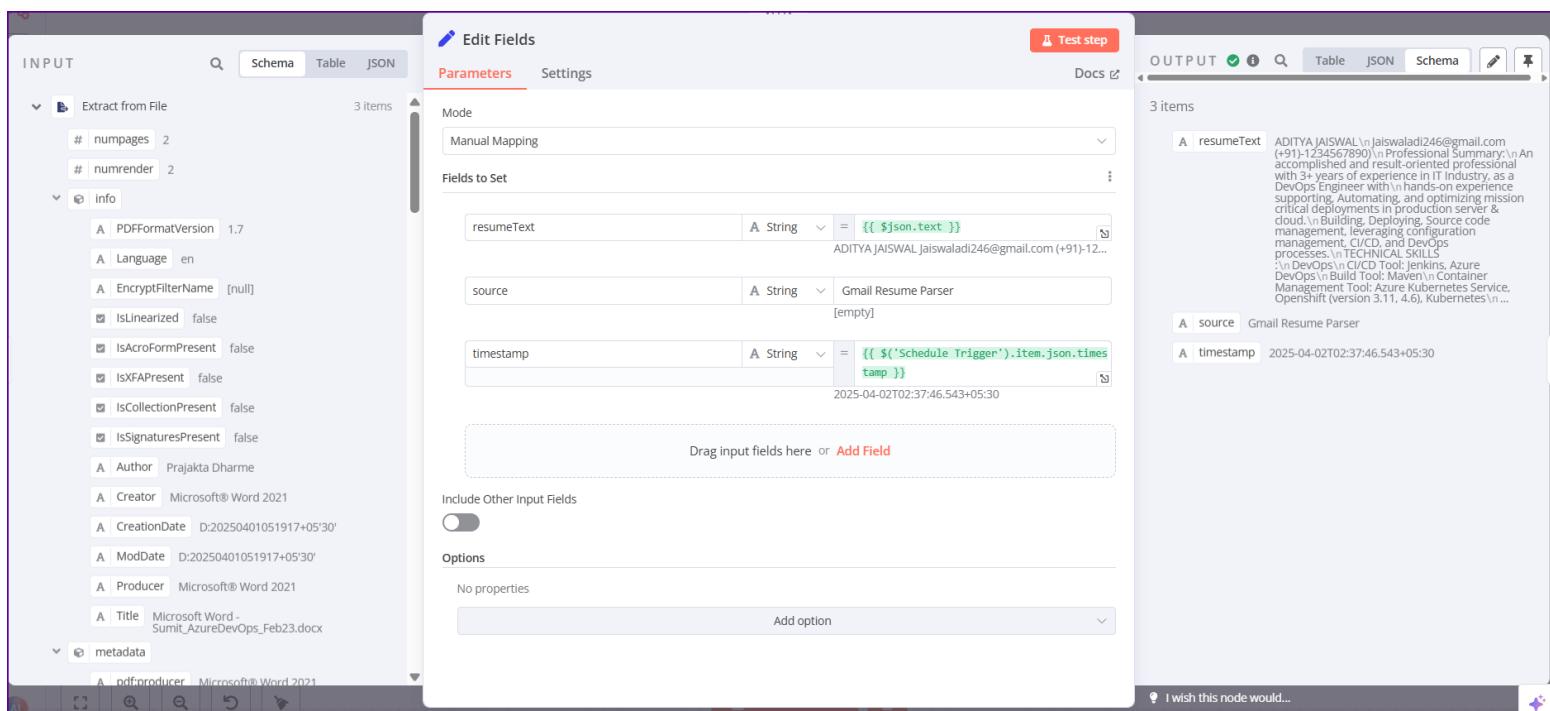
3 items

```

# | numpages | 2
# | numrender | 2
+-- info
  A | PDFFormatVersion | 1.7
  A | Language | en
  A | EncryptFilterName | [null]
  ✓ IsLinearized | false
  ✓ IsAcroFormPresent | false
  ✓ IsXFAPresent | false
  ✓ IsCollectionPresent | false
  ✓ IsSignaturesPresent | false
  A | Author | Prajakta Dharne
  A | Creator | Microsoft® Word 2021
  A | CreationDate | D:20250401051917+05'30'
  A | ModDate | D:20250401051917+05'30'
  A | Producer | Microsoft® Word 2021
  A | Title | Microsoft Word - Sumit_AzureDevOps_Feb23.docx
+-- metadata
  A | pdf:producer | Microsoft® Word 2021
  
```

I wish this node would...

4. Edit Fields (Manual)

INPUT

- Extract from File
 - # numpages: 2
 - # numrender: 2
- info
 - A PDFFormatVersion: 1.7
 - A Language: en
 - A EncryptFilterName: [null]
 - IsLinearized: false
 - IsAcroFormPresent: false
 - IsXFAPresent: false
 - IsCollectionPresent: false
 - IsSignaturesPresent: false
 - A Author: Prajakta Dharne
 - A Creator: Microsoft® Word 2021
 - A CreationDate: D:20250401051917+05'30'
 - A ModDate: D:20250401051917+05'30'
 - A Producer: Microsoft® Word 2021
 - A Title: Microsoft Word - Sunit_AzureDevOps_Feb23.docx
- metadata
 - A _pdfproducer: Microsoft® Word 2021

Edit Fields

Parameters

Mode: Manual Mapping

Fields to Set

resumeText	A String	=	<code>{{ \$json.text }}</code>
ADITYA JAISWAL Jaiswaladi246@gmail.com (+91)-1234567890\nProfessional Summary:\nAn accomplished multi-oriented professional with 3+ years of experience in IT industry, as a DevOps Engineer with hands-on experience supporting, Automating, and optimizing mission critical deployments in Production, Dev & cloud environments. Deployment, Source code management, leveraging configuration management, CI/CD, and DevOps processes.\nTECHNICAL SKILLS:\nDevOps Tools: Jenkins, Azure DevOps, Build Tool, Maven, Container Management Tool: Azure Kubernetes Service, Openshift (version 3.11, 4.6), Kubernetes...\n			
source	A String	=	Gmail Resume Parser [empty]
timestamp	A String	=	<code>{{ \$(`Schedule Trigger`).item.json.timestamp }}</code>
2025-04-02T02:37:46.543+05:30			

Drag input fields here or Add Field

Include Other Input Fields:

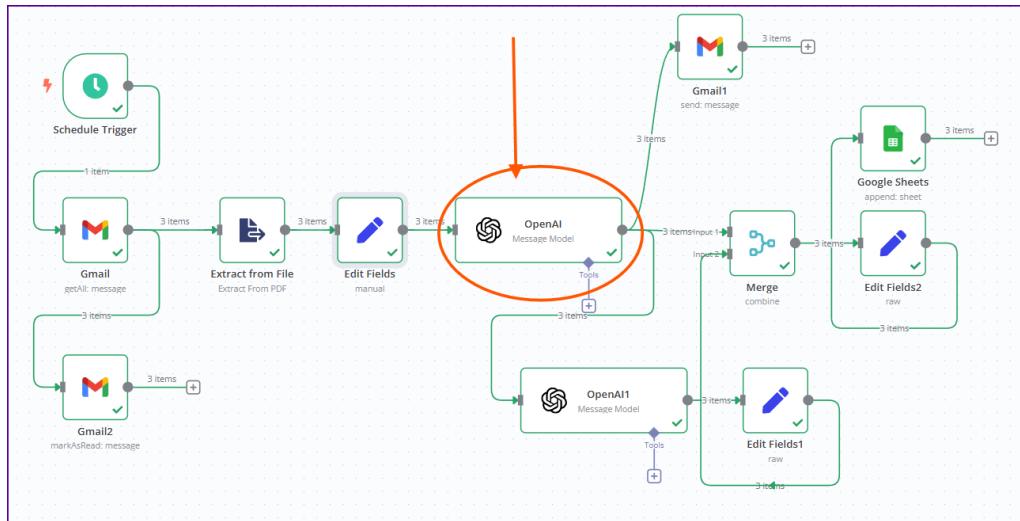
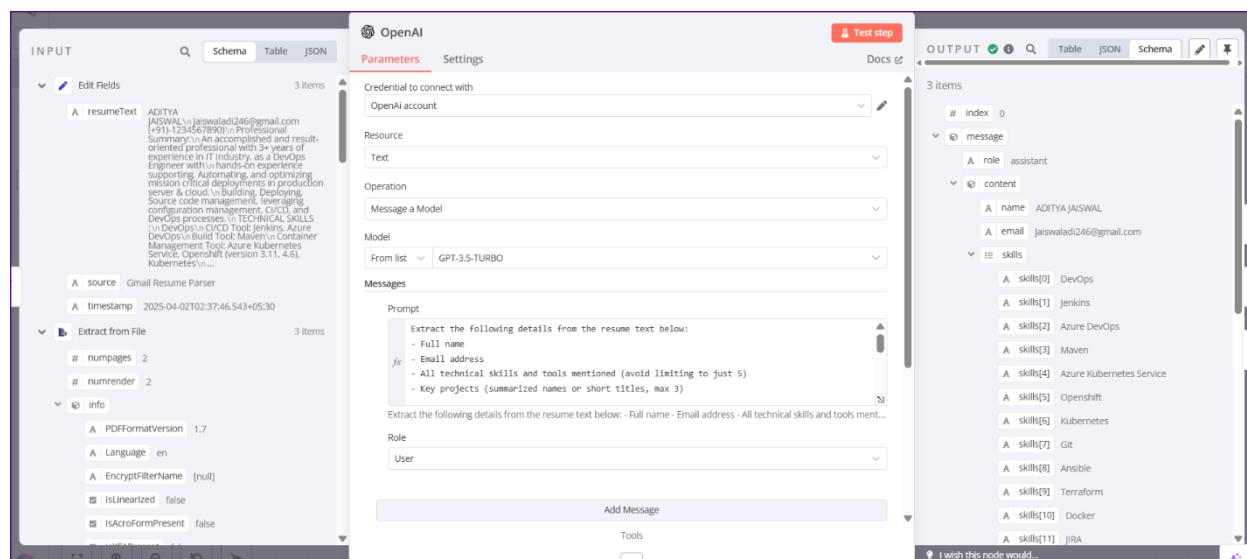
Options: No properties

OUTPUT

- resumeText: ADITYA JAISWAL Jaiswaladi246@gmail.com (+91)-1234567890\nProfessional Summary:\nAn accomplished multi-oriented professional with 3+ years of experience in IT industry, as a DevOps Engineer with hands-on experience supporting, Automating, and optimizing mission critical deployments in Production, Dev & cloud environments. Deployment, Source code management, leveraging configuration management, CI/CD, and DevOps processes.\nTECHNICAL SKILLS:\nDevOps Tools: Jenkins, Azure DevOps, Build Tool, Maven, Container Management Tool: Azure Kubernetes Service, Openshift (version 3.11, 4.6), Kubernetes...\n
- source: Gmail Resume Parser
- timestamp: 2025-04-02T02:37:46.543+05:30

I wish this node would...

5. OpenAI (Message Model)

This screenshot shows the configuration of an OpenAI API call. In the 'INPUT' section, there's a resumeText field containing a sample resume. The 'Parameters' tab is active, showing the 'Credential to connect with' as 'OpenAI account'. The 'Operation' is set to 'Message a Model' with 'Model' selected as 'From list' and 'GPT-3.5-TURBO'. The 'Messages' section contains a prompt asking to extract details from the resume text. The 'Role' is set to 'User'. In the 'OUTPUT' section, the response is shown as a JSON object with fields for 'index', 'message' (containing the role and content), and 'skills' (a list of technical skills extracted from the resume).

Prompt:

Extract the following details from the resume text below:

- Full name
- Email address
- All technical skills and tools mentioned (avoid limiting to just 5)
- Key projects (summarized names or short titles, max 3)

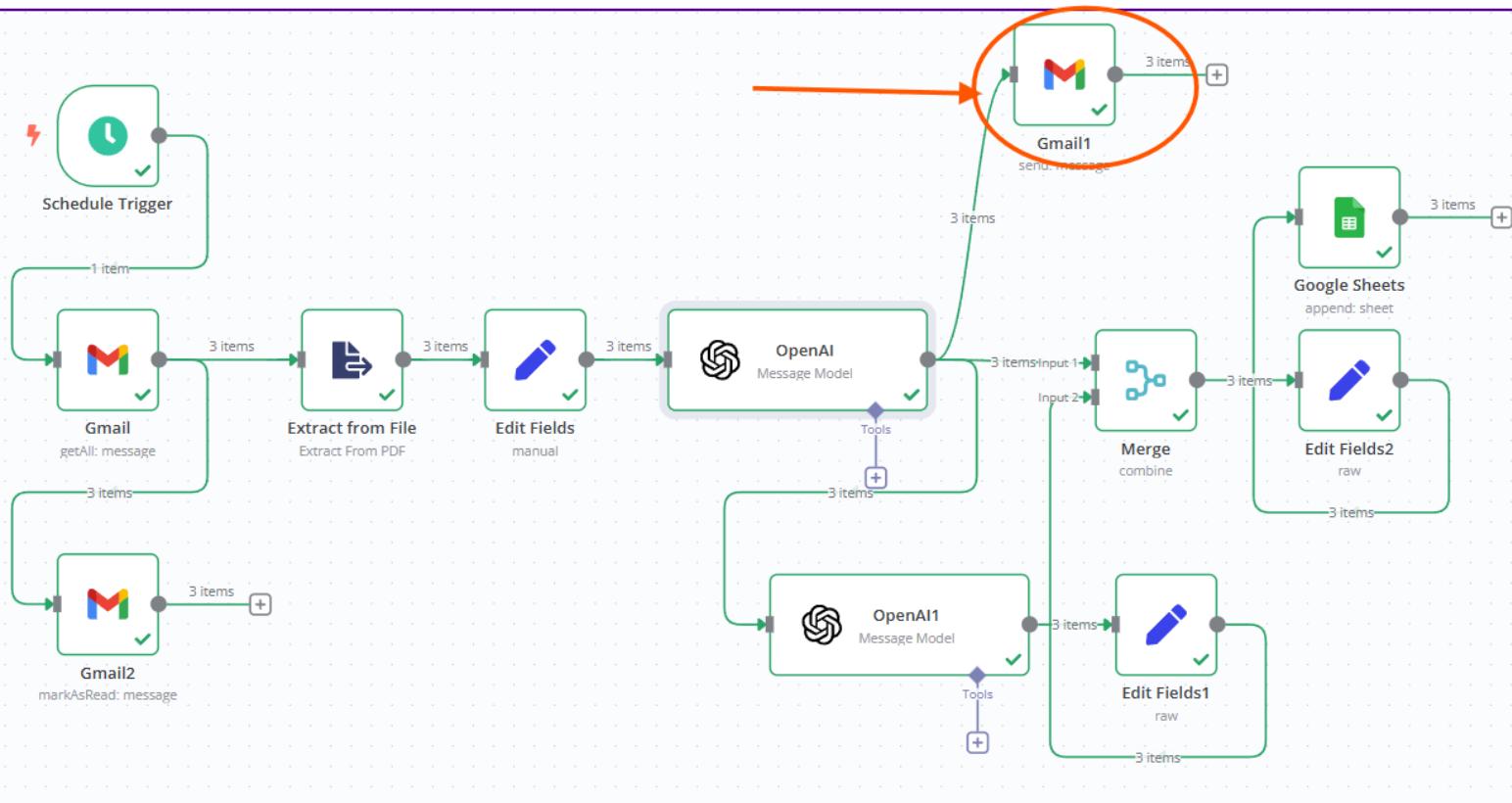
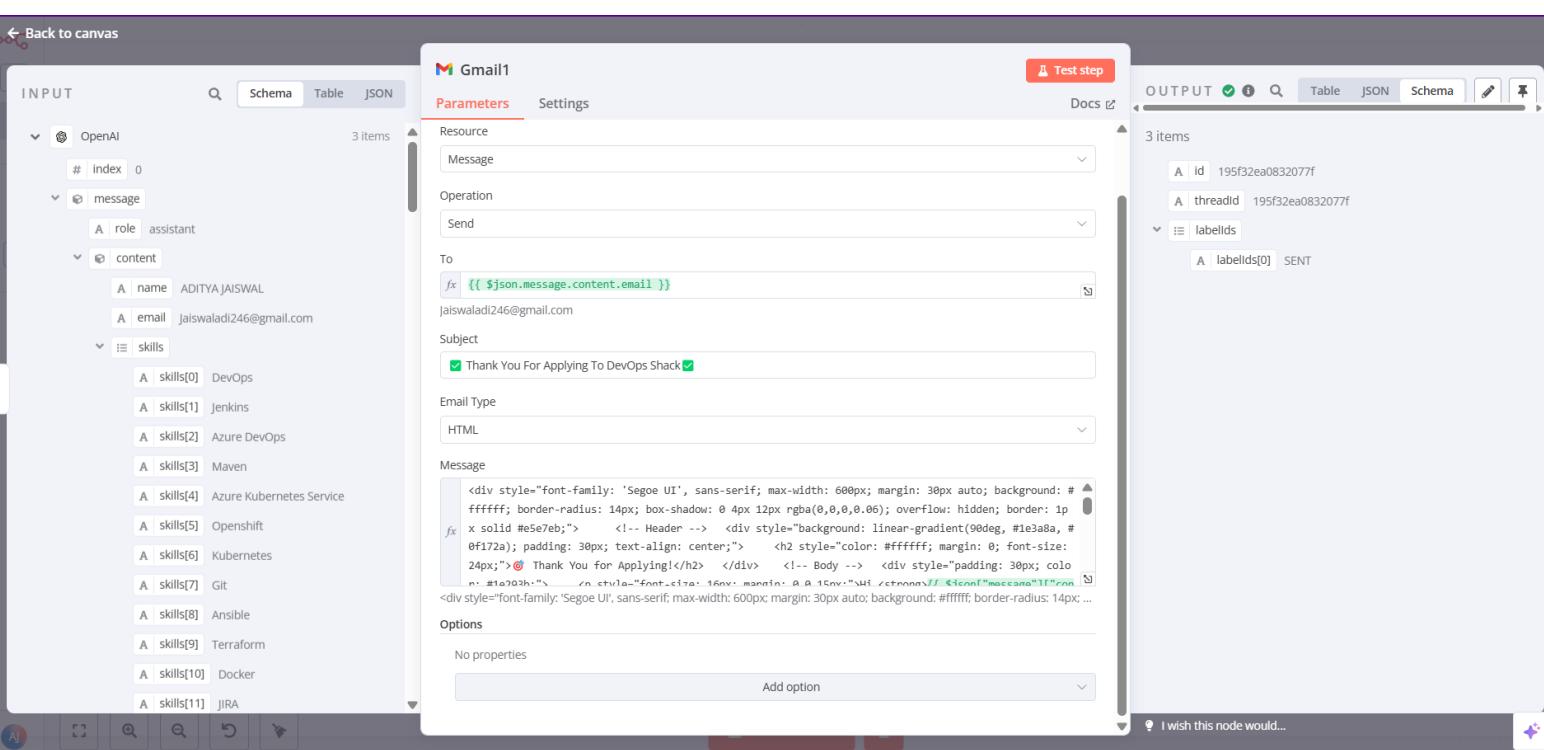
Respond strictly in this JSON format:

```
{
  "name": "Full Name",
  "email": "email@example.com",
  "skills": ["Skill1", "Skill2", "Tool1", ...],
  "projects": ["Project1 summary", "Project2 summary", "Project3 summary"]
}
```

Resume Text:

```
{{ $json["resumeText"] }}
```

6. Gmail (Send message)

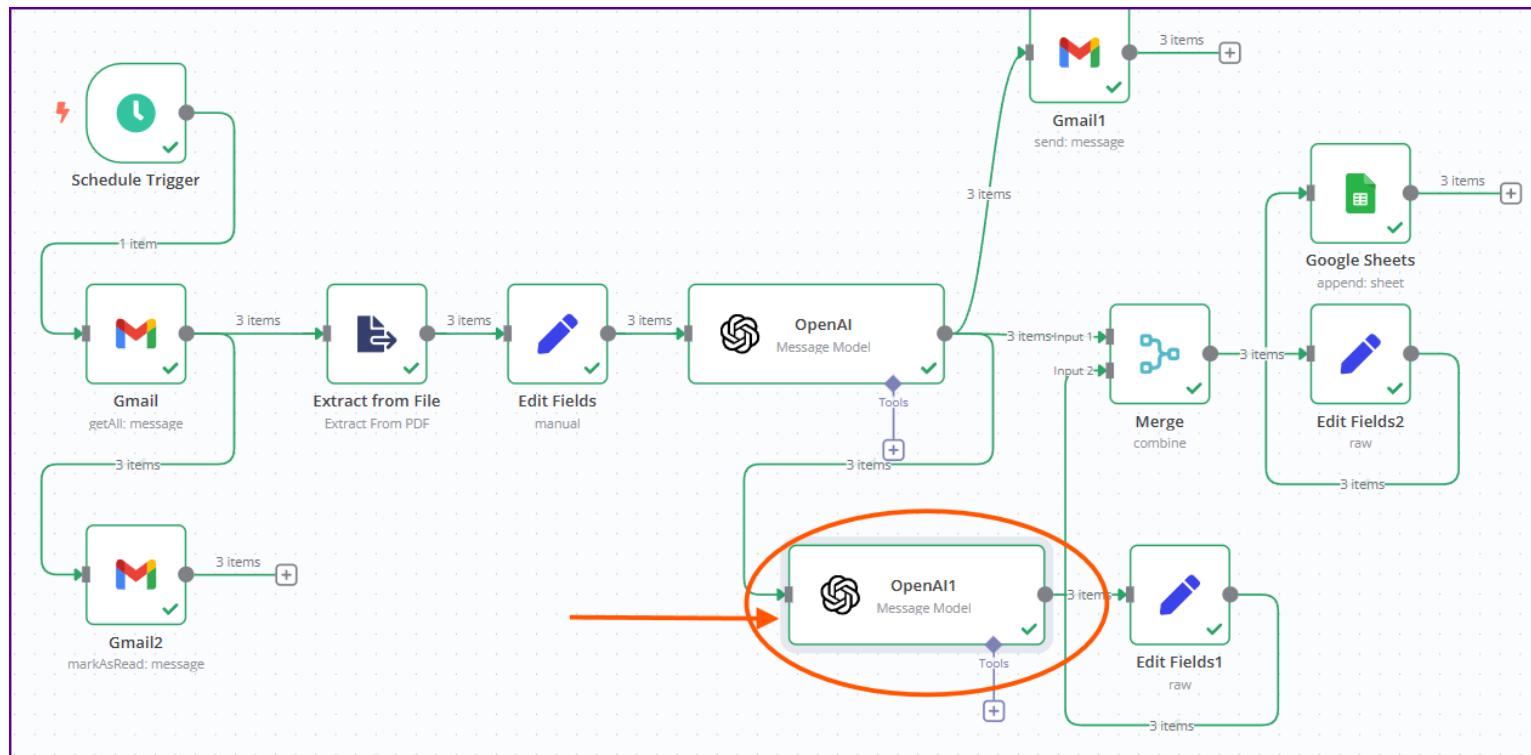
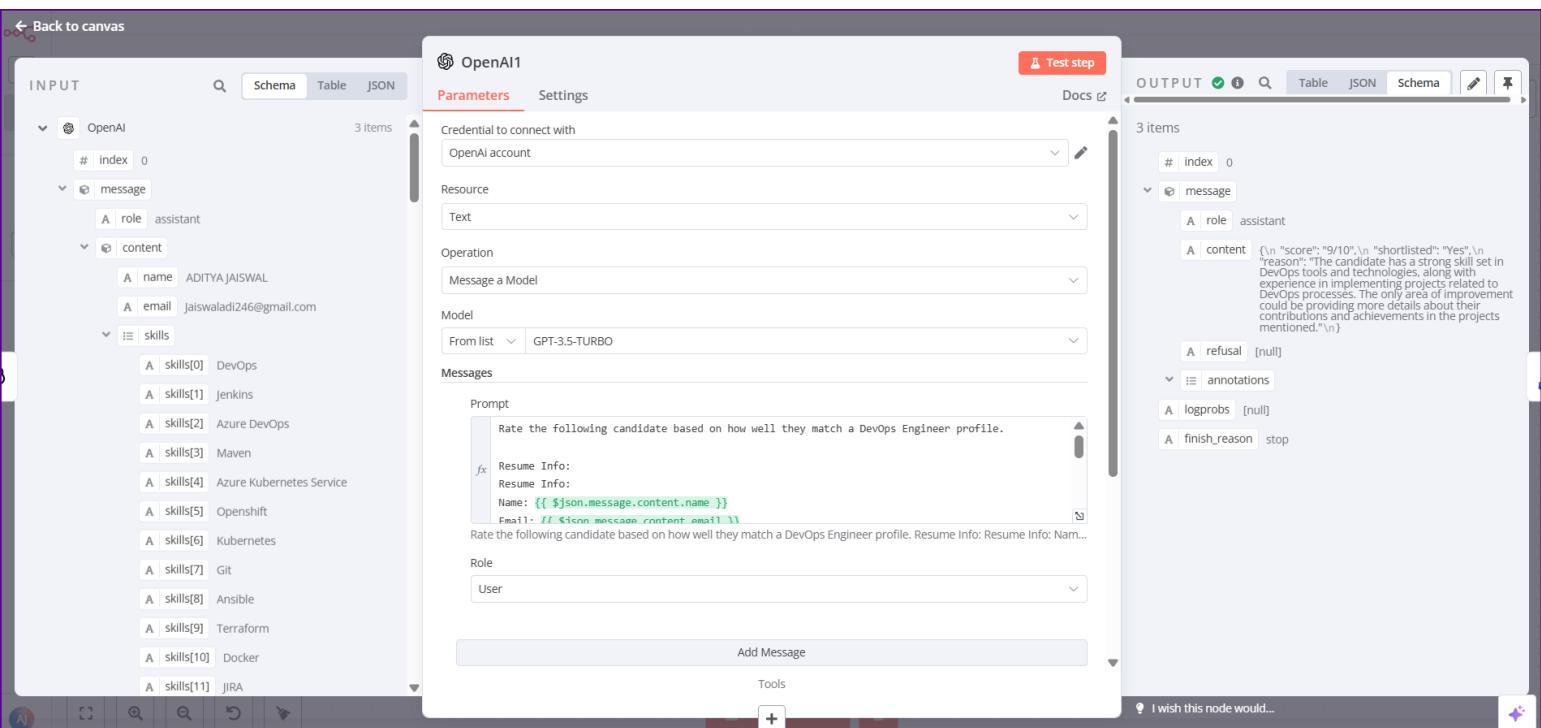
Gmail1 Node Configuration:

- INPUT:** OpenAI (index 0), message (role: assistant), content (name: ADITYA JAISWAL, email: jaiswaladi246@gmail.com), skills (DevOps, Jenkins, Azure DevOps, Maven, Azure Kubernetes Service, Openshift, Kubernetes, Git, Ansible, Terraform, Docker, JIRA).
- Parameters:**
 - Resource:** Message
 - Operation:** Send
 - To:** \$json.message.content.email (Value: jaiswaladi246@gmail.com)
 - Subject:** Thank You For Applying To DevOps Shack
 - Email Type:** HTML
 - Message:** A detailed HTML message body is shown, containing a header with a background gradient and a body with a thank you message.
 - Options:** No properties.
- OUTPUT:** 3 items (id: 195f32ea0832077f, threadId: 195f32ea0832077f, labelIds: [SENT]).

Mail Code in HTML

```
<div style="font-family: 'Segoe UI', sans-serif; max-width: 600px; margin: 30px auto; background: #ffffff; border-radius: 14px; box-shadow: 0 4px 12px rgba(0,0,0,0.06); overflow: hidden; border: 1px solid #e5e7eb;">    <!-- Header -->    <div style="background: linear-gradient(90deg, #1e3a8a, #0f172a); padding: 30px; text-align: center;">        <h2 style="color: #ffffff; margin: 0; font-size: 24px;">             Thank You for Applying!        </h2>    <!-- Body -->    <div style="padding: 30px; color: #1e293b;">        <p style="font-size: 16px; margin: 0 0 15px;">Hi <strong>{{ $json["message"]["content"]["name"] || "there" }}</strong></p>        <p style="font-size: 15px; line-height: 1.6; margin: 0 0 15px;">            Thank you for submitting your resume to <strong style="color: #1d4ed8;">DevOps Shack</strong>. We've successfully received your application.        </p>        <p style="font-size: 15px; line-height: 1.6; margin: 0 0 15px;">            Our recruitment team is currently reviewing your profile. If your experience and skill set align with our open roles, we'll be in touch shortly with the next steps.        </p>        <p style="font-size: 15px; line-height: 1.6; margin: 0 0 25px;">            In the meantime, feel free to connect with us through our        <a href="https://devopsshack.com" style="color: #2563eb; text-decoration: none;">website</a> or        <a href="https://www.linkedin.com/in/adityajaiswal7/" style="color: #2563eb; text-decoration: none;">LinkedIn</a>.    </p>    <!-- CTA Button -->    <div style="text-align: center; margin: 30px 0;">        <a href="https://shackverse.com/careers" style="display: inline-block; padding: 14px 28px; background: linear-gradient(90deg, #2563eb, #1e3a8a); color: #ffffff; text-decoration: none; border-radius: 8px; font-weight: 600; font-size: 15px;">             Explore Open Roles        </a>    </div>    <p style="font-size: 15px; margin-top: 40px; line-height: 1.6;">        Best regards,<br>        <strong style="color: #1d4ed8;">DevOps Shack HR Team</strong>    </p>    <!-- Footer -->    <div style="background-color: #f1f5f9; padding: 20px; text-align: center; font-size: 12px; color: #6b7280;">        © 2025 DevOps Shack. All rights reserved.<br>        <a href="https://shackverse.com" style="color: #4b5563; text-decoration: none;">shackverse.com</a>    </div></div>
```

7. OpenAI (Message Model) For Evaluation

INPUT:

- OpenAI (3 items)
 - # index 0
 - message
 - content
 - A name ADITYA JAISWAL
 - A email jaiswaladi246@gmail.com
 - skills
 - A skills[0] DevOps
 - A skills[1] Jenkins
 - A skills[2] Azure DevOps
 - A skills[3] Maven
 - A skills[4] Azure Kubernetes Service
 - A skills[5] Openshift
 - A skills[6] Kubernetes
 - A skills[7] Git
 - A skills[8] Ansible
 - A skills[9] Terraform
 - A skills[10] Docker
 - A skills[11] JIRA

OpenAI1 Node Configuration:

- Parameters:**
 - Credential to connect with: OpenAI account
 - Resource: Text
 - Operation: Message a Model
 - Model: From list / GPT-3.5-TURBO
- Messages:**
 - Prompt: Rate the following candidate based on how well they match a DevOps Engineer profile.
 - Resume Info: Name: {{ \$json.message.content.name }} Email: {{ \$json.message.content.email }}
 - Role: User

OUTPUT:

- 3 items
 - # index 0
 - message
 - content
 - A refusal [null]
 - annotations
 - logprobs [null]
 - finish_reason stop

Code:

Rate the following candidate based on how well they match a DevOps Engineer profile.

Resume Info:

Resume Info:

Name: {{ \$json.message.content.name }}

Email: {{ \$json.message.content.email }}

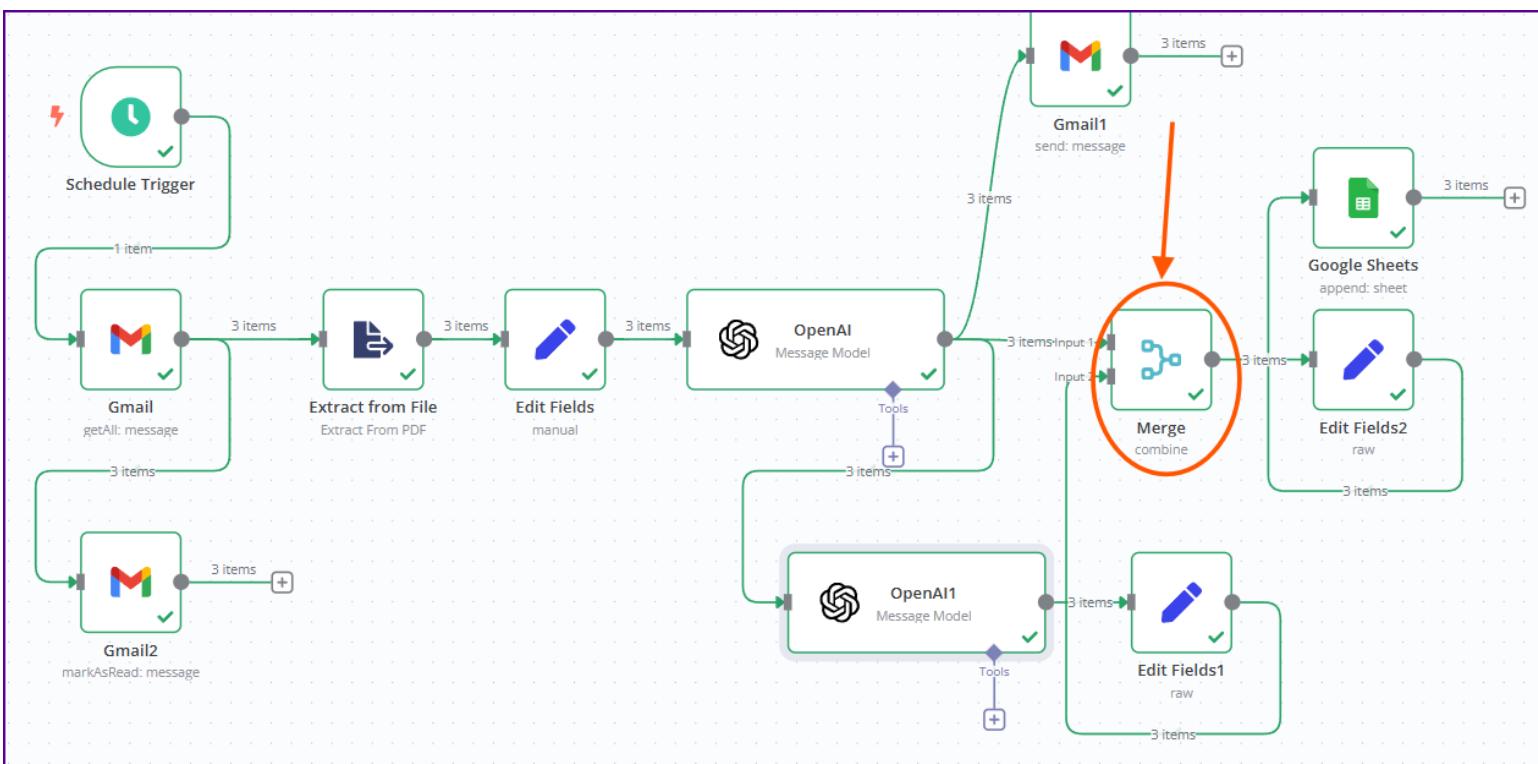
Skills: {{ \$json.message.content.skills }}

Projects: {{ \$json.message.content.projects }}

Respond strictly in this JSON format:

```
{  
  "score": "X/10",  
  "shortlisted": "Yes/No",  
  "reason": "Short reason here"  
}
```

8. Merge



Back to canvas

INPUT

```

  graph TD
    OpenAI[OpenAI] -- "3 items" --> Merge[Merge]
    OpenAI1[OpenAI1] -- "3 items" --> Merge
    Merge -- "3 items" --> EditFields1[Edit Fields1]
    Merge -- "3 items" --> EditFields2[Edit Fields2]
    Gmail[Gmail1 send: message] -- "3 items" --> GoogleSheets[Google Sheets append: sheet]
  
```

Merge

Parameters

Mode: Combine

Combine By: Position

Number of Inputs: 2

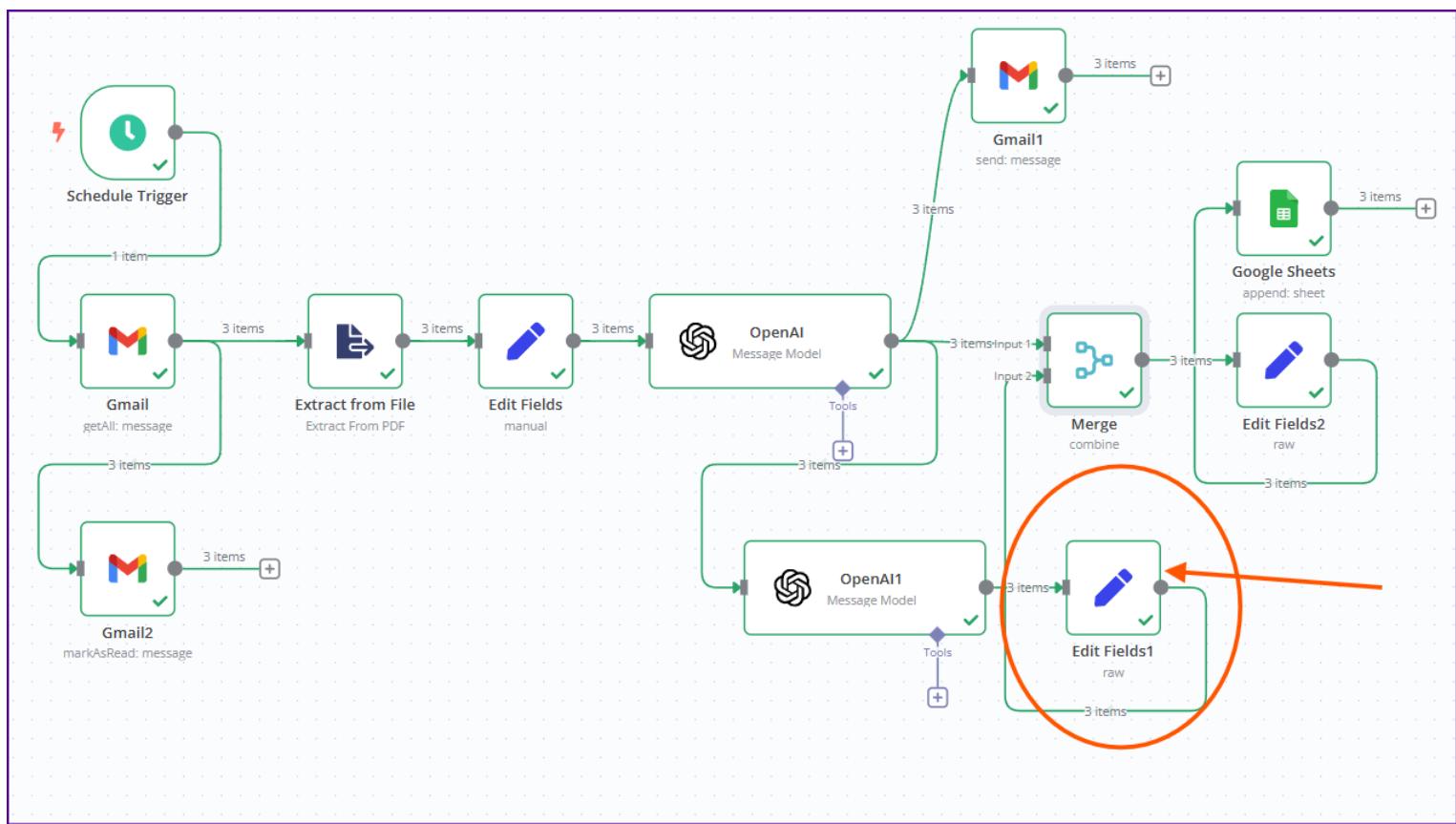
Options: No properties

OUTPUT

```

  graph TD
    Merge -- "3 items" --> EditFields1
    Merge -- "3 items" --> EditFields2
    Gmail -- "3 items" --> GoogleSheets
  
```

9. Edit Fields



[Back to canvas](#)

INPUT

- OpenAI1
 - # index 0
 - message
 - A role assistant
 - A content {"\n "score": "9/10",\n "shortlisted": "Yes",\n "reason": "The candidate has a strong skill set in DevOps tools and technologies, along with experience in implementing projects related to DevOps processes. The only area of improvement could be providing more details about their contributions and achievements in the projects mentioned.\n "}
 - A refusal [null]
 - annotations
 - A logprobs [null]
 - A finish_reason stop
- OpenAI
 - # index 0
 - message
 - A role assistant
 - A content
 - A name ADITYA JAISWAL
 - A email jaiswaladi246@gmail.com
 - skills

Edit Fields1

Parameters

Mode: JSON

JSON

```
{
  "score": "{{ JSON.parse($('OpenAI1').item.json.message.content).score }}",
  "shortlisted": "{{ JSON.parse($('OpenAI1').item.json.message.content).shortlisted }}",
  "reason": "{{ JSON.parse($('OpenAI1').item.json.message.content).reason }}"
}
```

Include Other Input Fields:

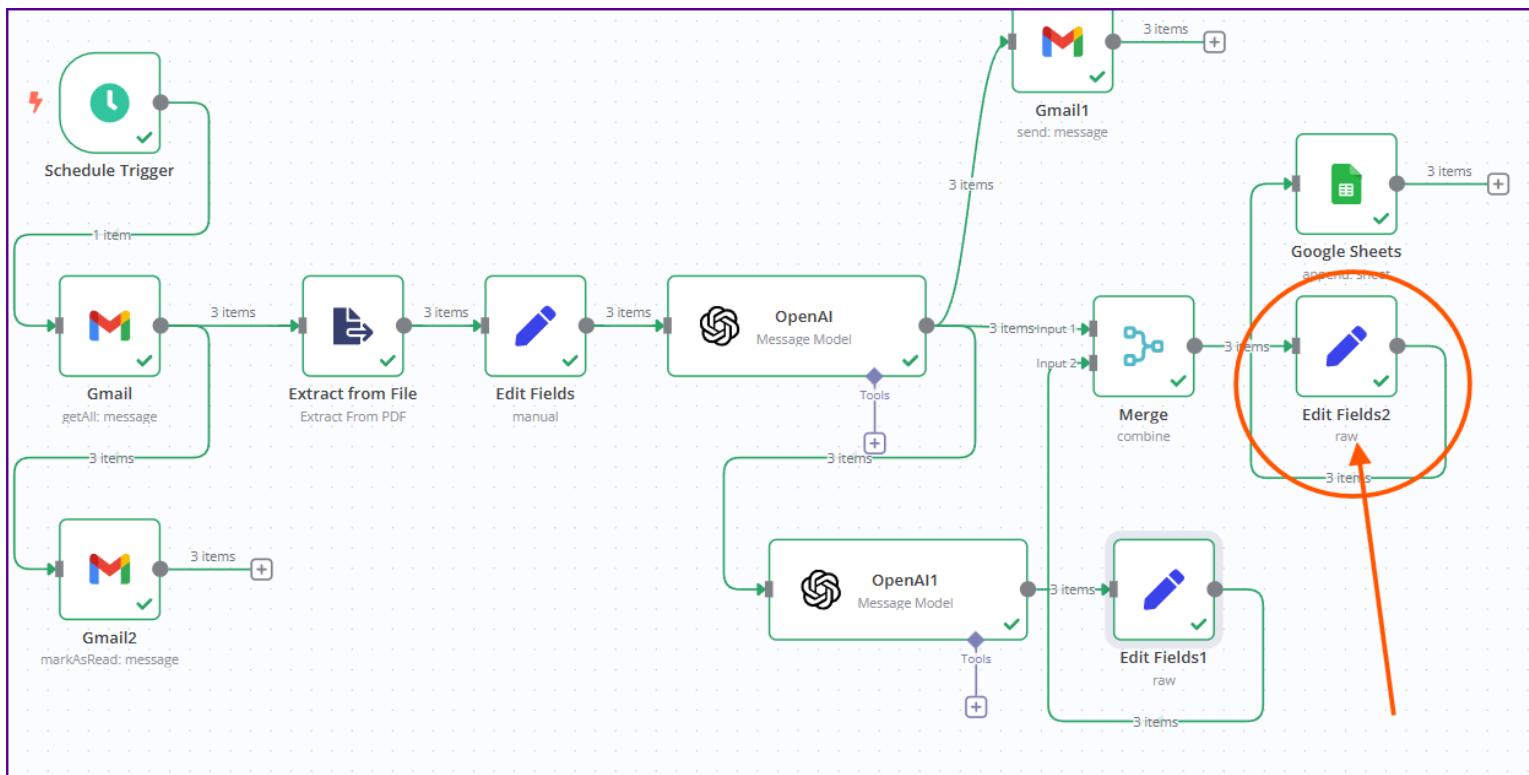
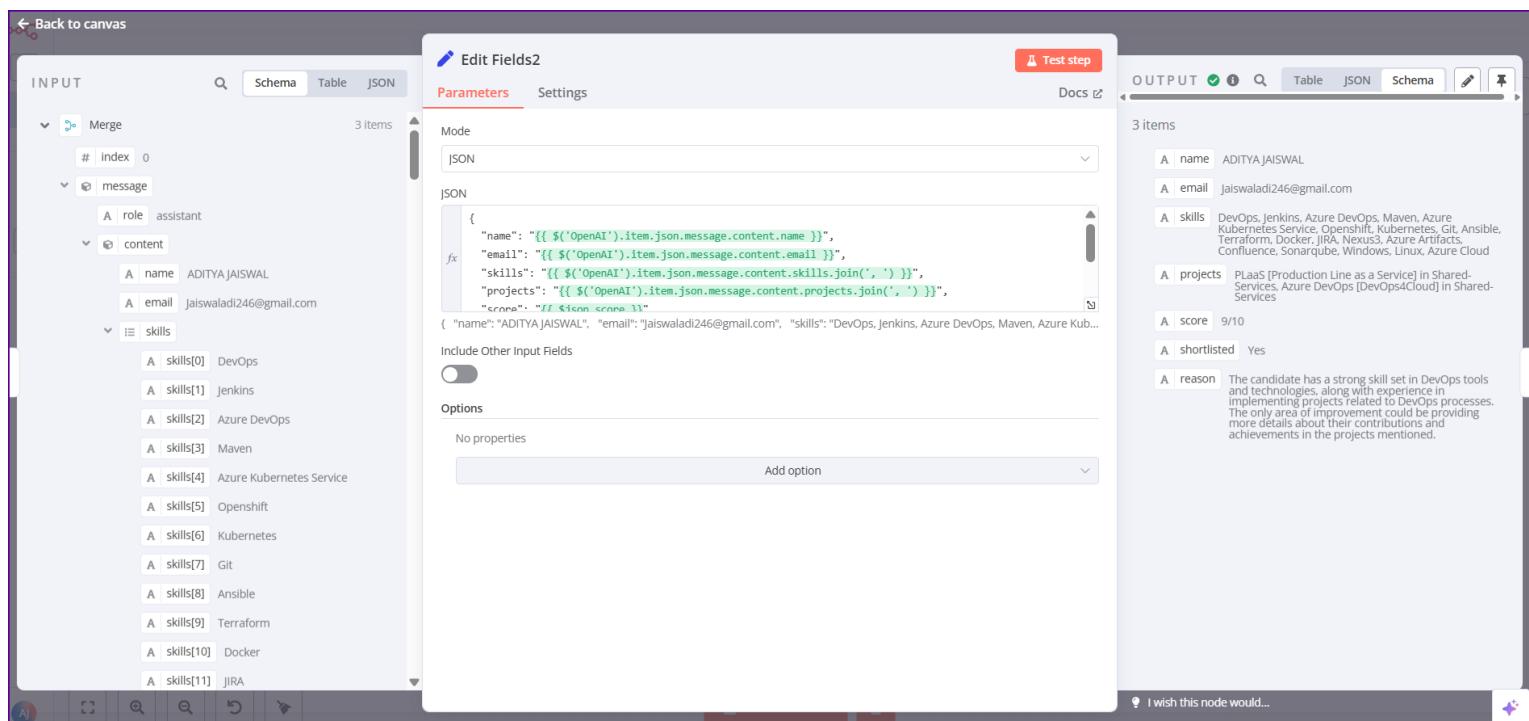
Options: No properties

OUTPUT

- score 9/10
- shortlisted Yes
- reason The candidate has a strong skill set in DevOps tools and technologies, along with experience in implementing projects related to DevOps processes. The only area of improvement could be providing more details about their contributions and achievements in the projects mentioned.

I wish this node would...

10. Edit Fields

Edit Fields2

Parameters

Mode: JSON

JSON:

```

{
  "name": "{{ $('OpenAI').item.json.message.content.name }}",
  "email": "{{ $('OpenAI').item.json.message.content.email }}",
  "skills": "{{ $('OpenAI').item.json.message.content.skills.join(',') }}",
  "projects": "{{ $('OpenAI').item.json.message.content.projects.join(',') }}",
  "score": "{{ $('OpenAI').item.json.message.content.score }}"
}
  
```

Include Other Input Fields:

Options: No properties

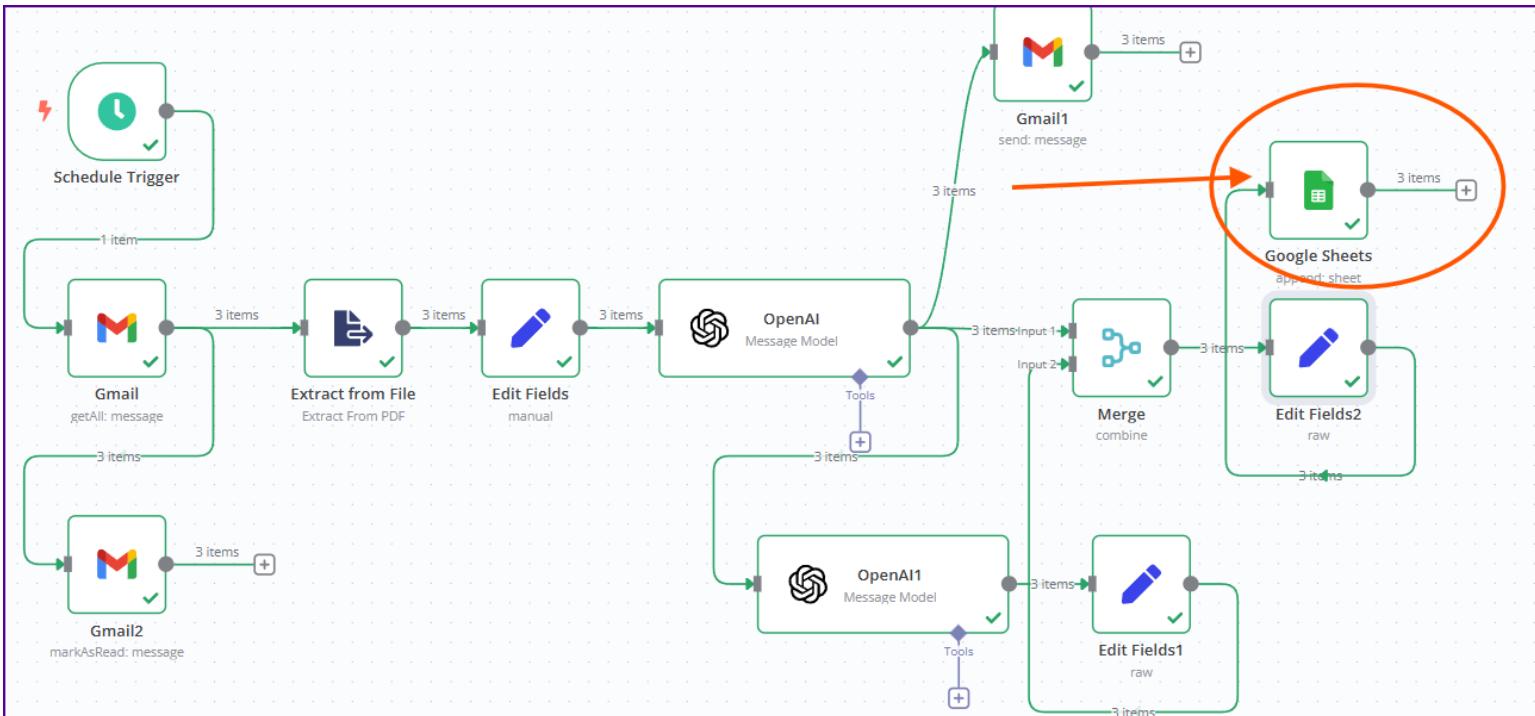
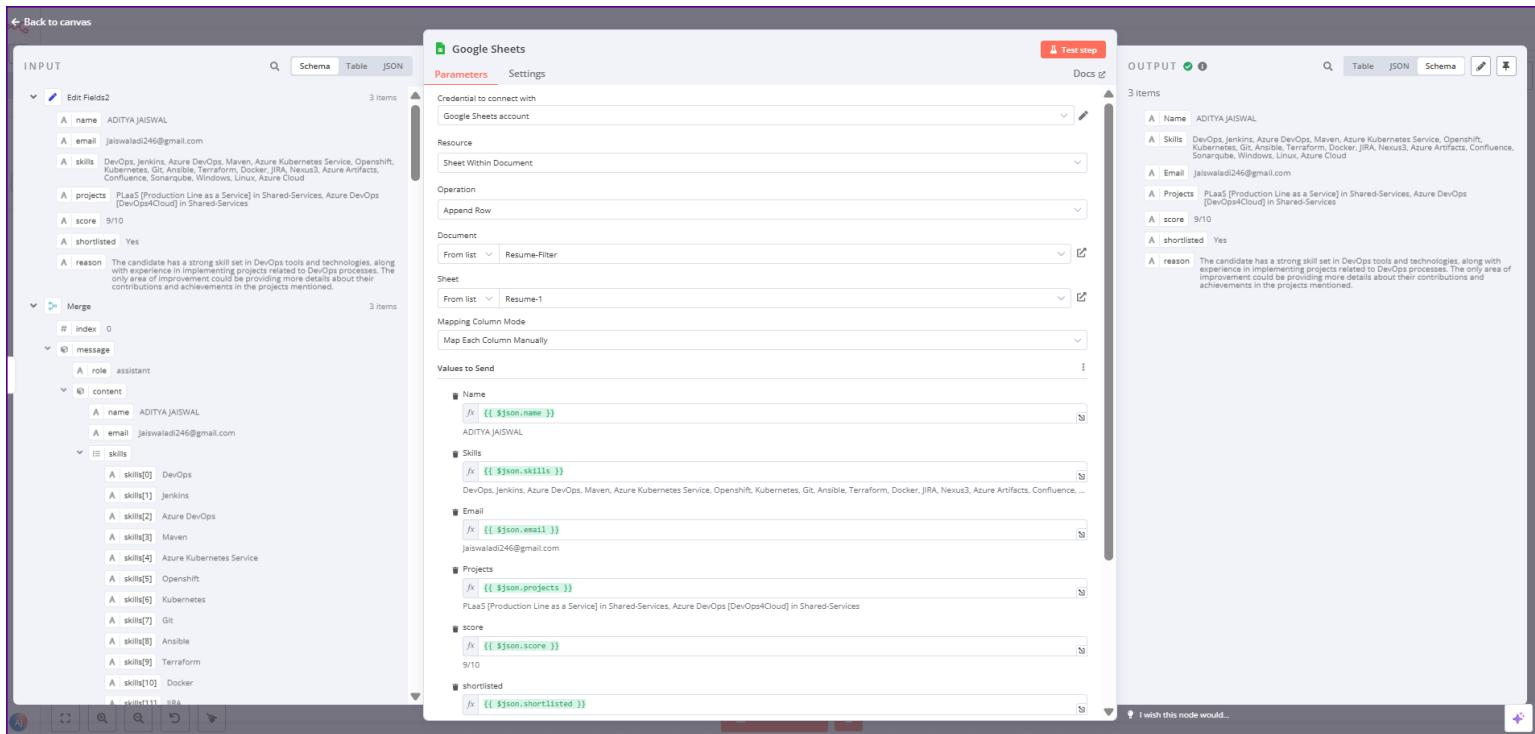
OUTPUT

A name	ADITYA JAISWAL
A email	jaiswaladi246@gmail.com
A skills	DevOps, Jenkins, Azure DevOps, Maven, Azure Kubernetes Service, Openshift, Kubernetes, Git, Ansible, Terraform, Docker, JIRA, Nexus3, Azure Artifacts, Confluence, Sonarqube, Windows, Linux, Azure Cloud
A projects	PlaaS [Production Line as a Service] in Shared-Services, Azure DevOps [DevOps4Cloud] in Shared-Services
A score	9/10
A shortlisted	Yes
A reason	The candidate has a strong skill set in DevOps tools and technologies, along with experience in implementing projects related to DevOps processes. The only area of improvement could be providing more details about their contributions and achievements in the projects mentioned.

I wish this node would... 

11. Google Sheet (Append Sheet)

Make sure to create a Google Sheet First

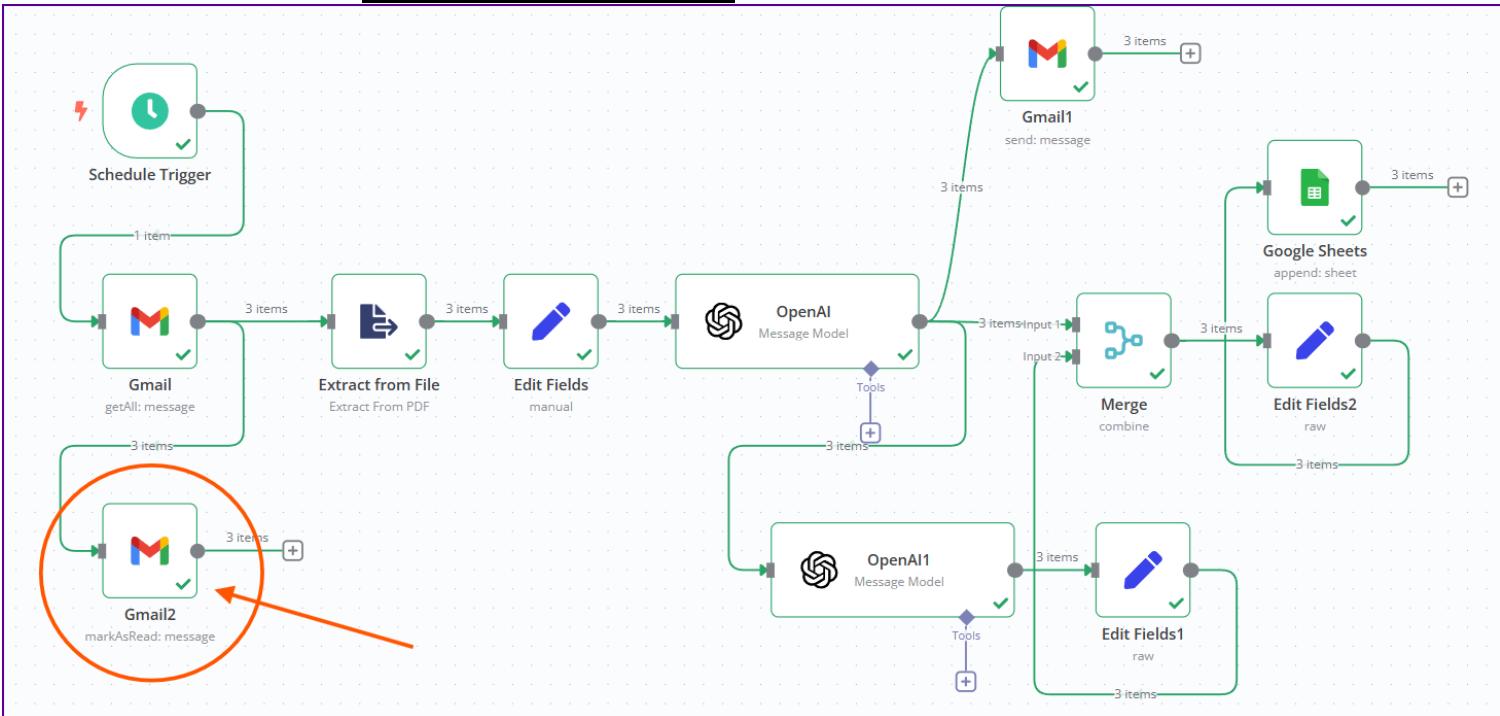
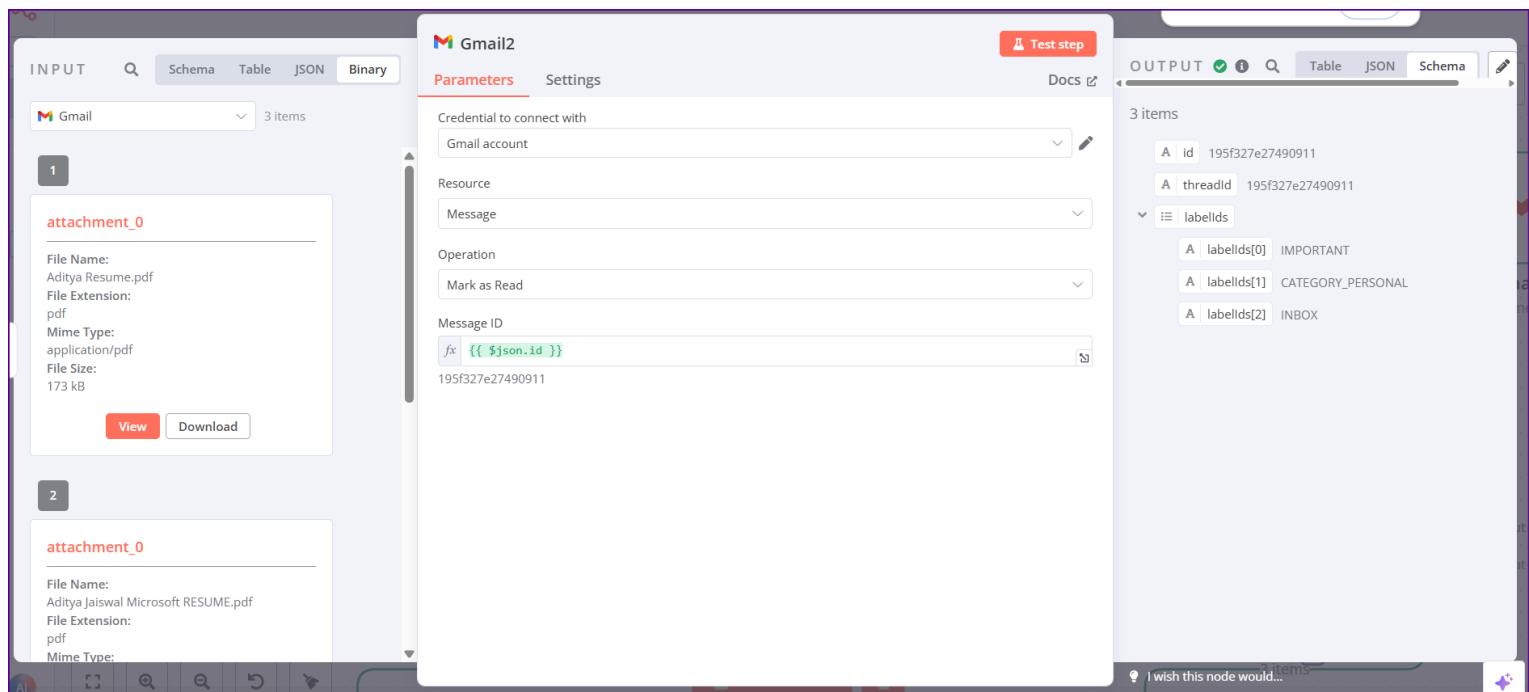
INPUT (Left Panel):

- Edit Fields2**: Contains fields for Name, Email, Skills, Projects, Score, and Shortlisted status.
- Merge**: Set to index 0.
- message**: Contains fields for role (assistant), content (name, email), skills (multiple skill entries), projects, score, and shortlisted status.

Google Sheets Configuration (Center Panel):

- Parameters**:
 - Credential to connect with: Google Sheets account
 - Resource: Sheet Within Document
 - Operation: Append Row
 - Document: From list / Resume-Filter
 - Sheet: From list / Resume-1
- Mapping Column Mode**: Map Each Column Manually.
- Values to Send** (Right Panel):
 - Name: `fx {{ $json.name }}` (Value: ADITYA JAISWAL)
 - Skills: `fx {{ $json.skills[0] }}` (Value: DevOps, Jenkins, Azure DevOps, Maven, Azure Kubernetes Service, Openshift, Kubernetes, Git, Ansible, Terraform, Docker, JIRA, Nexus3, Azure Artifacts, Confluence, SonarQube, Windows, Linux, Azure Cloud)
 - Email: `fx {{ $json.email }}` (Value: jaiswaladi246@gmail.com)
 - Projects: `fx {{ $json.projects }}` (Value: PLAS5 [Production Line as a Service] in Shared-Services, Azure DevOps [DevOps4Cloud] in Shared-Services)
 - score: `fx {{ $json.score }}` (Value: 9/10)
 - shortlisted: `fx {{ $json.shortlisted }}` (Value: Yes)

12. Gmail (Mark as read)

Gmail2

Parameters

Credential to connect with: Gmail account

Resource: Message

Operation: Mark as Read

Message ID: {{ \$json.id }}

Output

```

{
  "id": "195f327e27490911",
  "threadid": "195f327e27490911",
  "labelids": [
    "labelids[0]: IMPORTANT",
    "labelids[1]: CATEGORY_PERSONAL",
    "labelids[2]: INBOX"
  ]
}
  
```