



Cameron McEwing

Full Stack Developer | Engineer
| Backyard Astrophysicist | Educa...



<https://www.linkedin.com/in/coding-the-future/>

Jupiter Rising over Awaroa (Godley) Head

Puanga (Rigel)

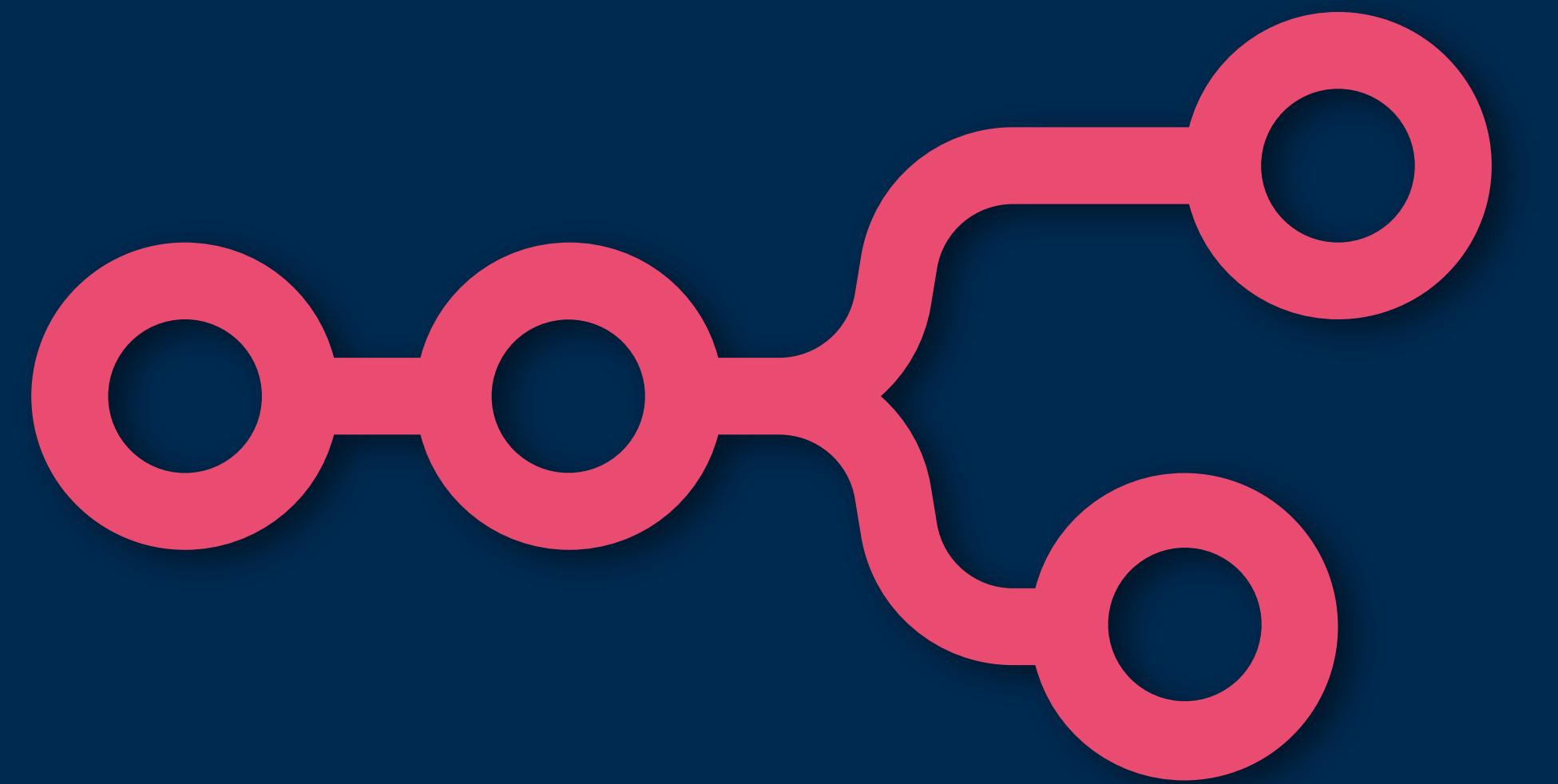
Mars

The Perch of the Kereru
(Orion's Belt)

Matariki

Jupiter

Betelgeuse



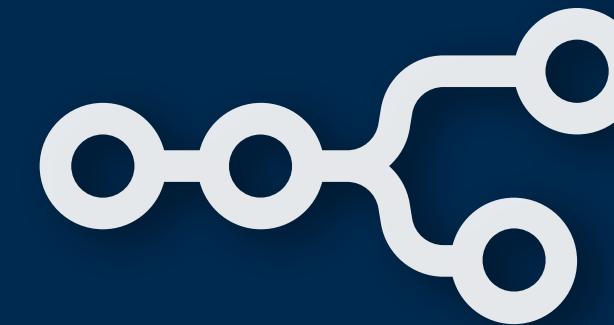
n8n

make



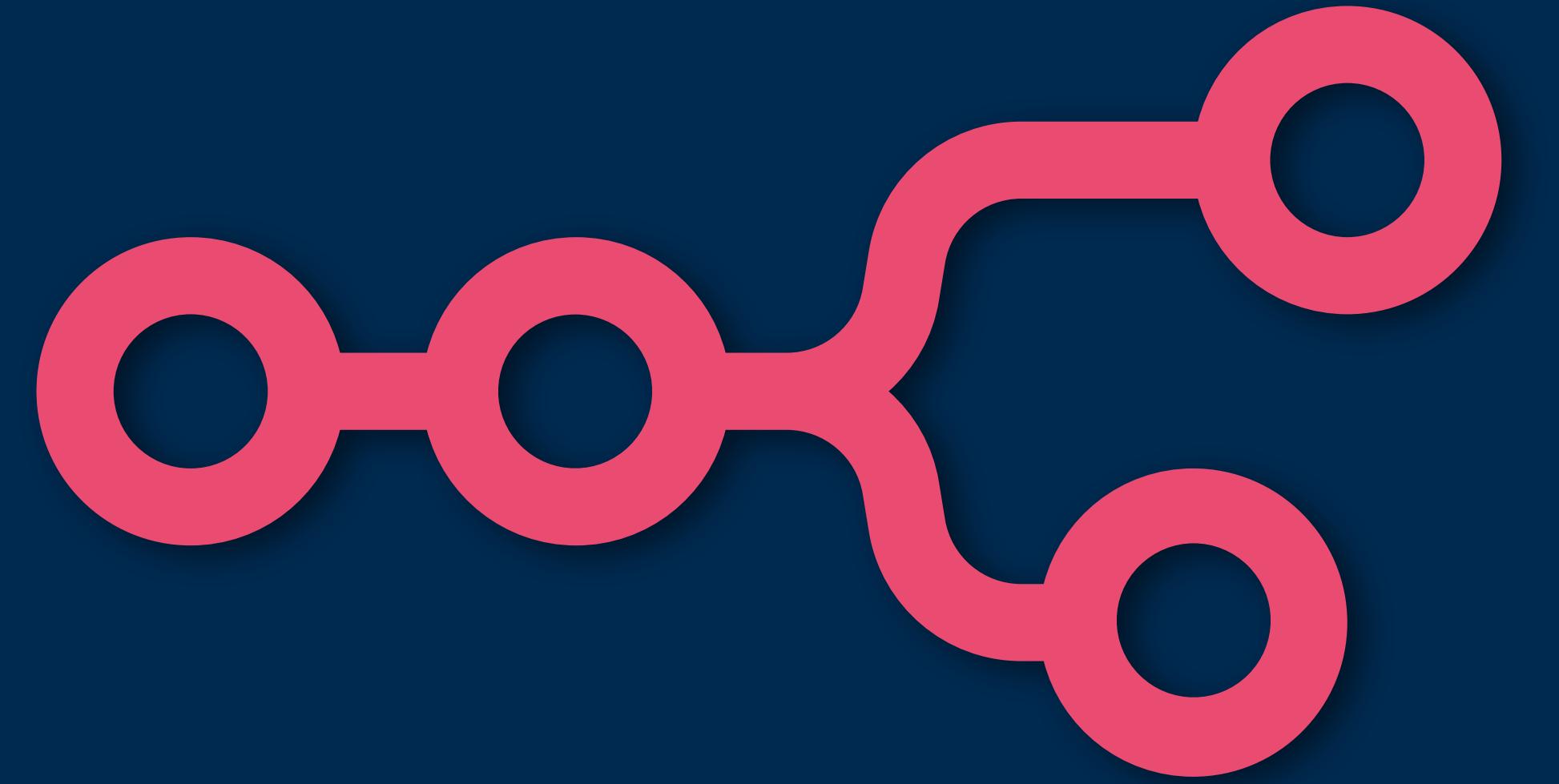
n8n

zapier_-



n8n // make zapier -

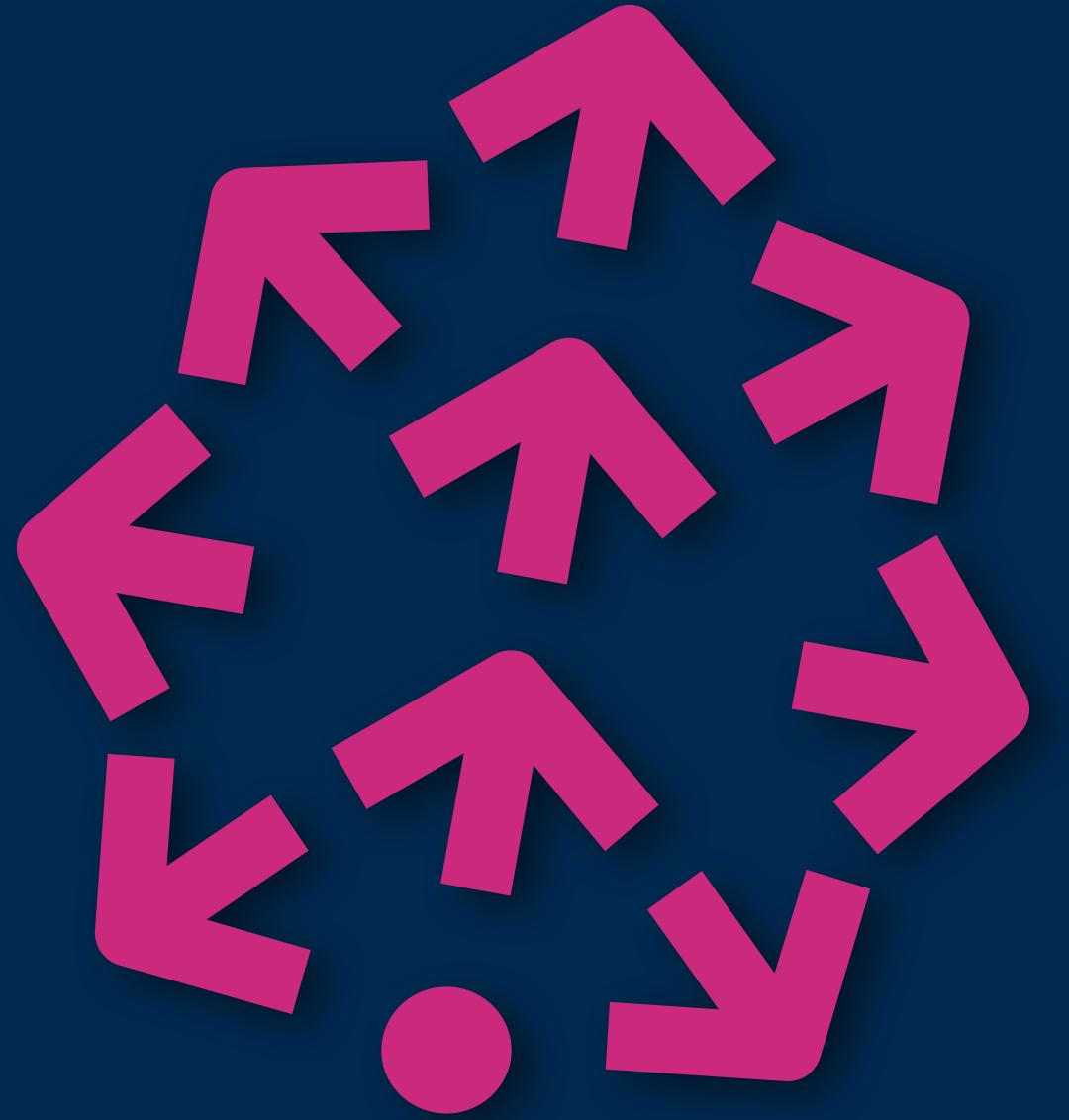
Pricing model	per workflow run	per operation	per task
Integrations	3rd (1000+)	2nd (1500+)	1st (7000+)
Open Source	✓	✗	✗
Price (Free)	✓	✗	✗
Self-Host On-Prem (GDPR)	✓	✗	✗
Extensible (JS/Python)	✓	limited	limited



n8n

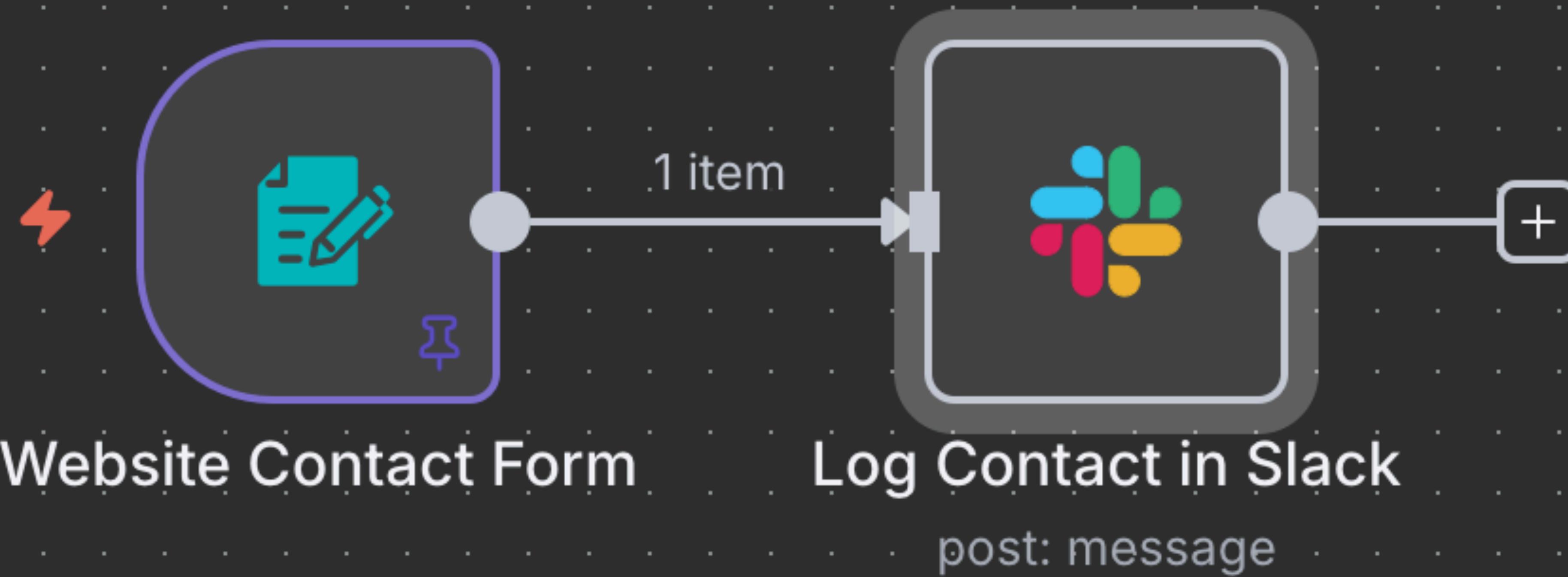


slack

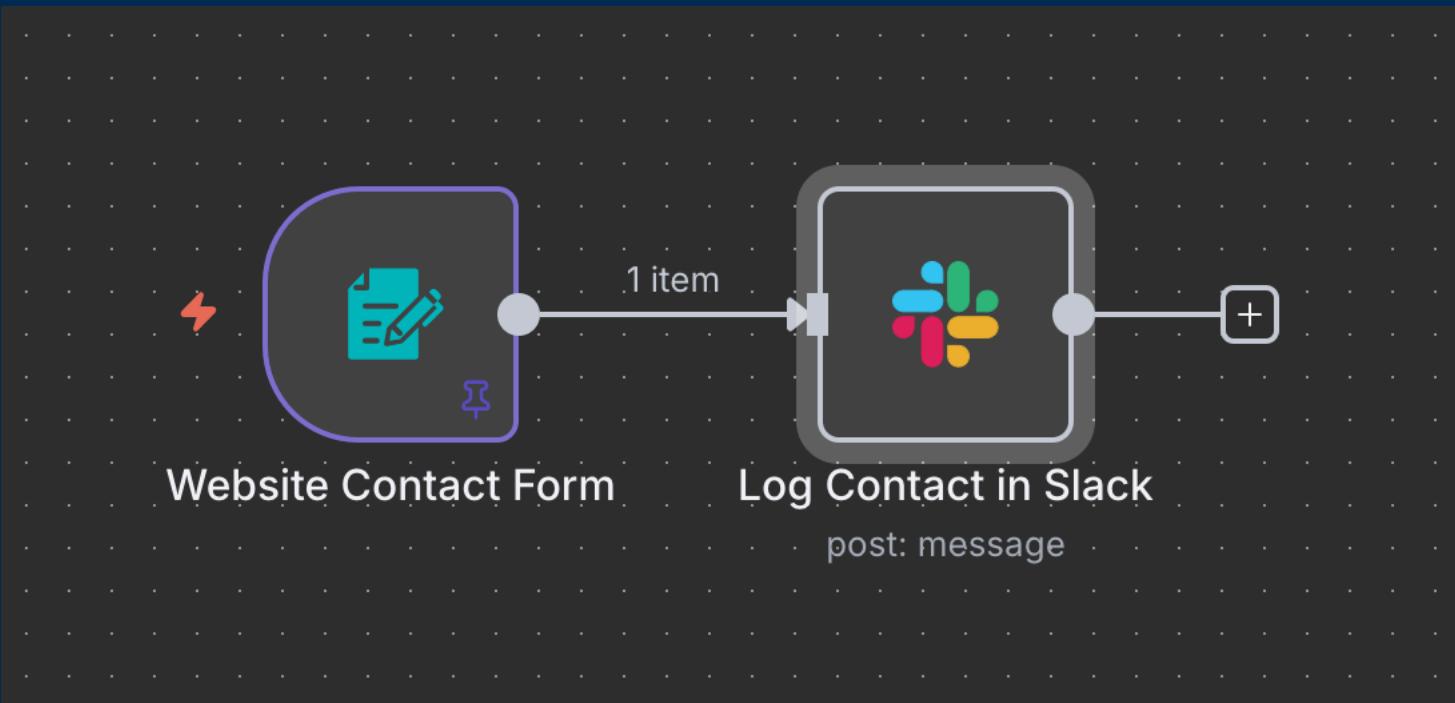


Pinecone

Capture Contact
Form Submissions
in Slack Channel



Web Contact Form Submission to Slack Channel Workflow



Workflow

OUTPUT

1 item

```
[{"Name": "Cameron", "Message": "I came across your website and wanted to reach out. I'm interested in learning more about what you do and how you work with clients. Could you please share some more information about your services and how you typically engage with new customers?\n\nLooking forward to your reply.\n\nBest regards,", "Email": "innovate@astrotope.org", "submittedAt": "2025-08-04T14:14:58.457+12:00", "formMode": "test"}]
```

Webform Data Received

Contact Form

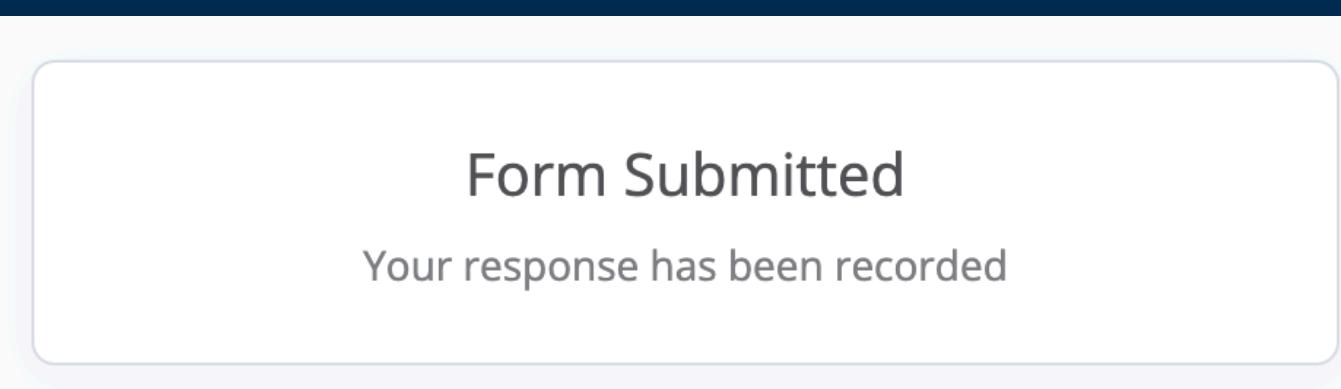
Say Hello. We are here to help :-)

Name *
John Doe

Message *
Say Hello. We would love to hear from you 😊

Email
john.doe@example.com

Submit



Slack Blocks Template

```
{
  "blocks": [
    {
      "type": "header",
      "text": {
        "type": "plain_text",
        "text": "New Contact - {{ $json.Name }}",
        "emoji": true
      }
    },
    {
      "type": "divider"
    },
    {
      "type": "section",
      "text": {
        "type": "mrkdwn",
        "text": "Timestamp: {{ $json.submittedAt.toDateTime().format('dd/MM/yyyy') }} {{ $json.submittedAt.toDateTime().toLocale().format('HH:mm') }}"
      }
    },
    {
      "type": "section",
      "text": {
        "type": "mrkdwn",
        "text": "{{ $json.Message.toJsonString() }}"
      }
    },
    {
      "type": "section",
      "text": {
        "type": "mrkdwn",
        "text": "<mailto:{{ $json.Email }}>"
      }
    }
  ]
}
```

14:31 New Contact - Cameron

Timestamp: 04/08/2025 14:14

I came across your website and wanted to reach out. I'm interested in learning more about what you do and how you work with clients. Could you please share some more information about your services and how you typically engage with new customers?

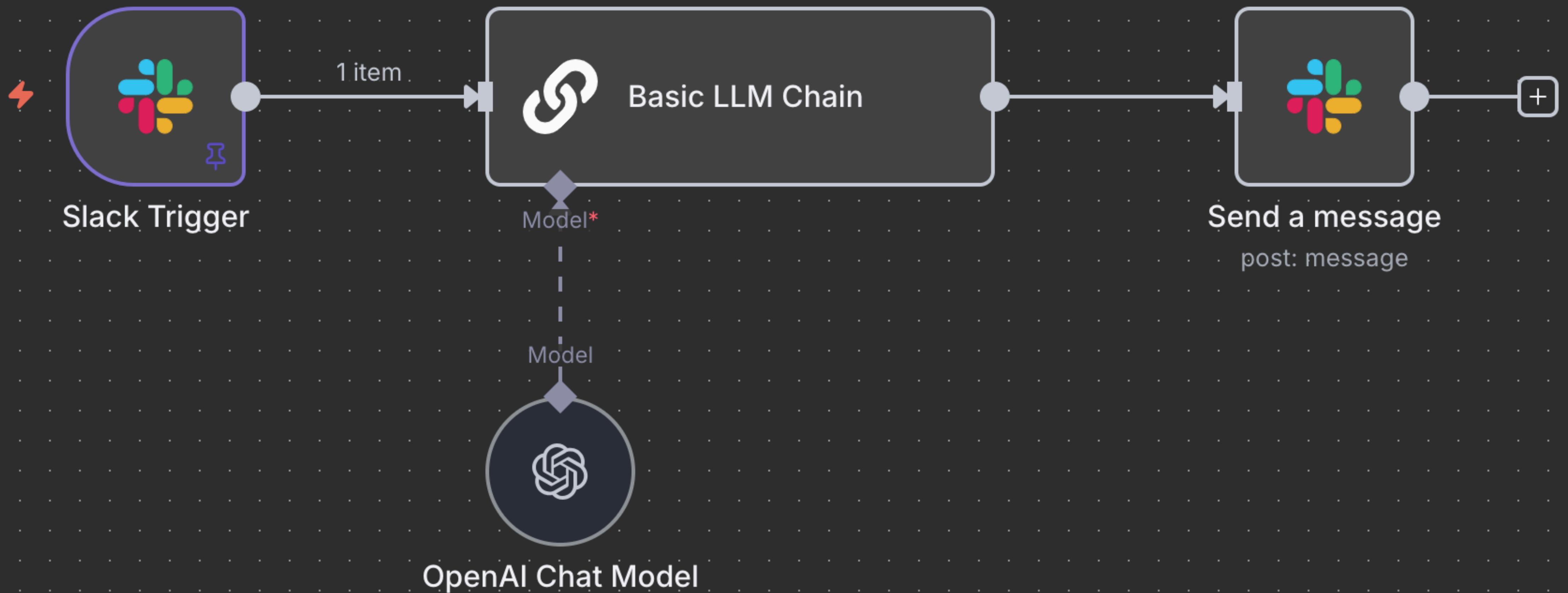
Looking forward to your reply.

Best regards,

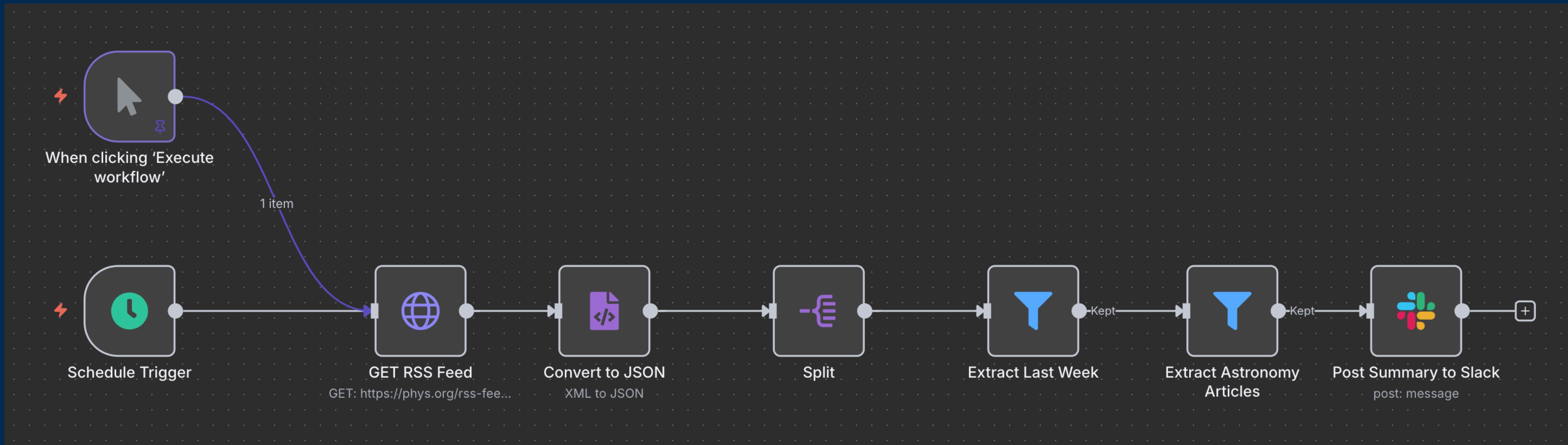
Cameron - innovate@astrotope.org

Slack Channel Post

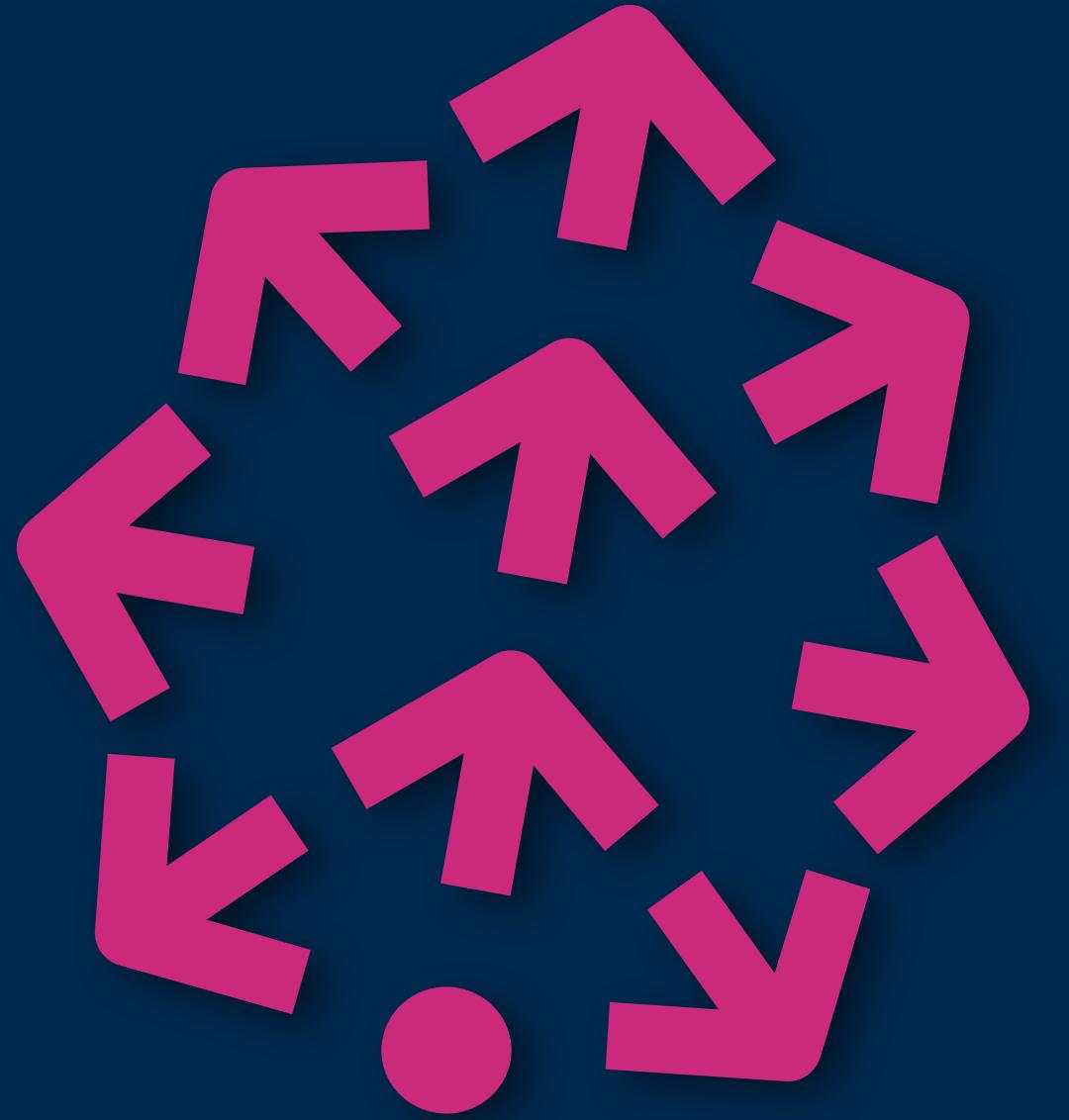
Astronomy Chat in Slack



Astronomy Article Weekly Summary



Store Astronomy
News in
vector Database



Pinecone

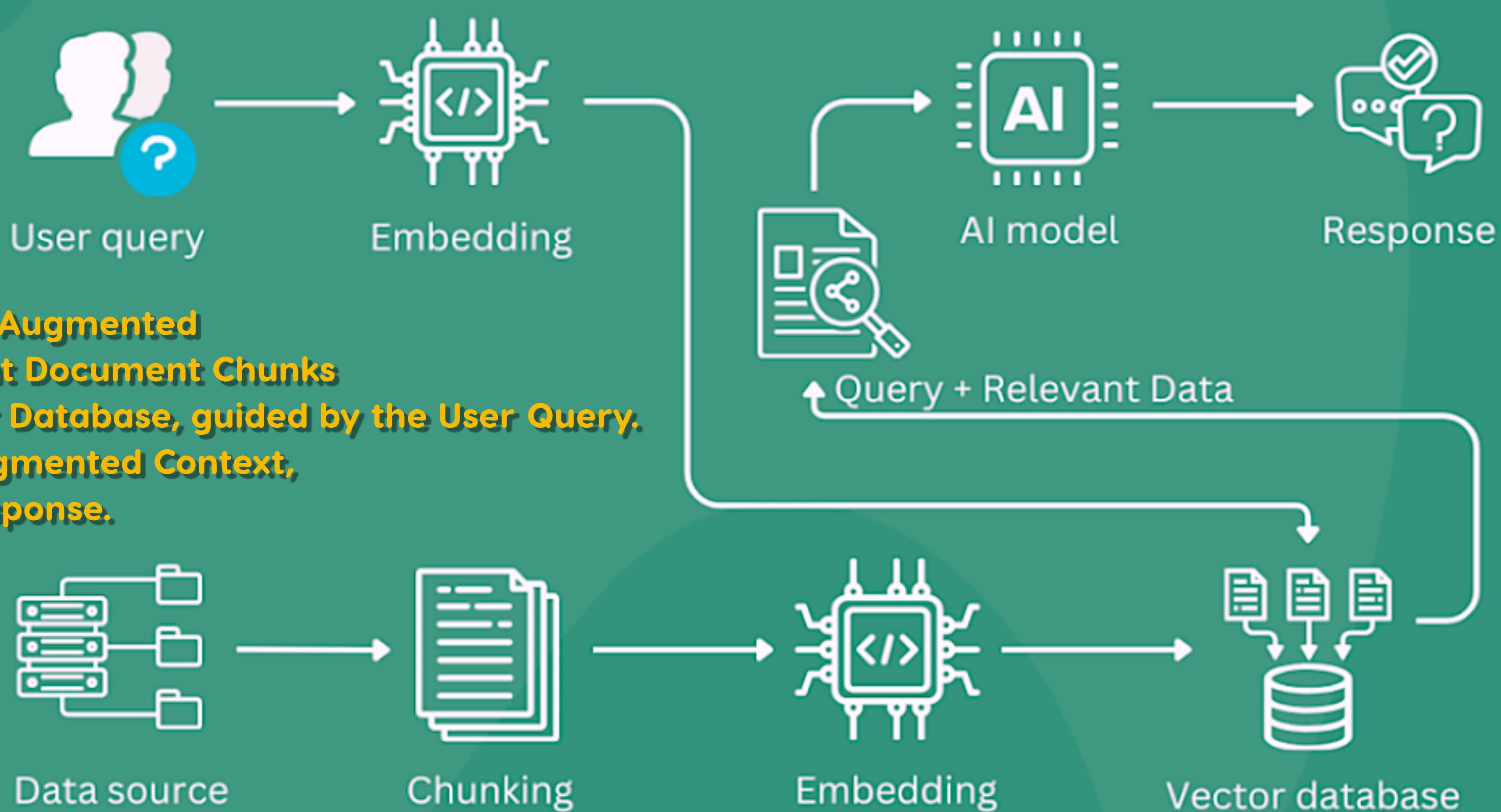
R.A.G.

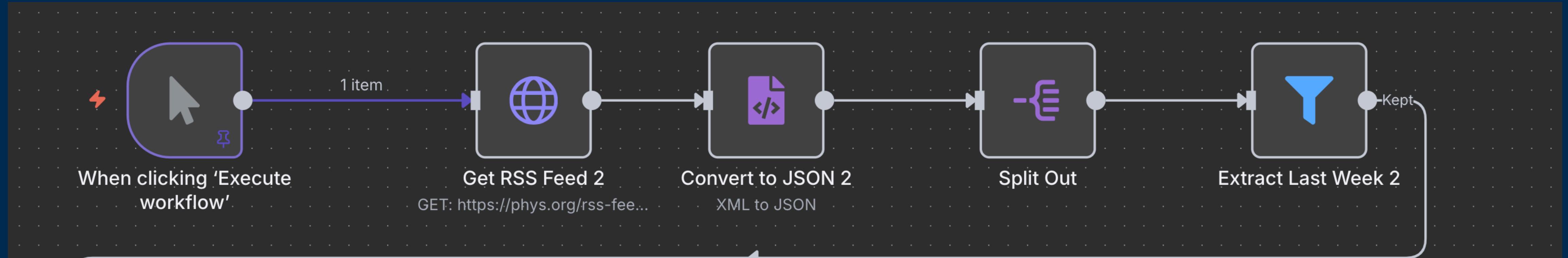
Retrieval Augmented Generation

Retrieval
Augmented
Generation

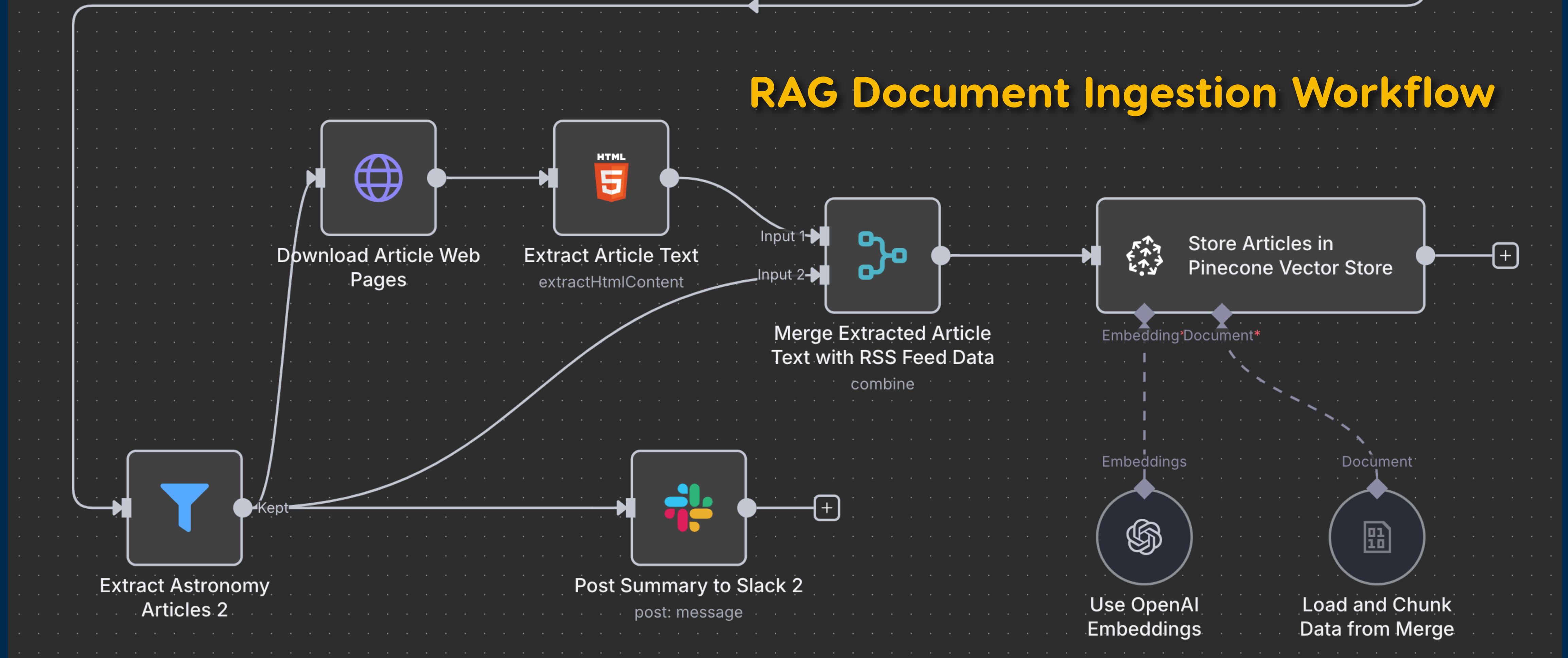
The Context of the LLM is Augmented
with Semantically Relevant Document Chunks
Retrieved from the Vector Database, guided by the User Query.
Using on this Retrieval Augmented Context,
The LLM Generates its Response.

Data
Ingestion

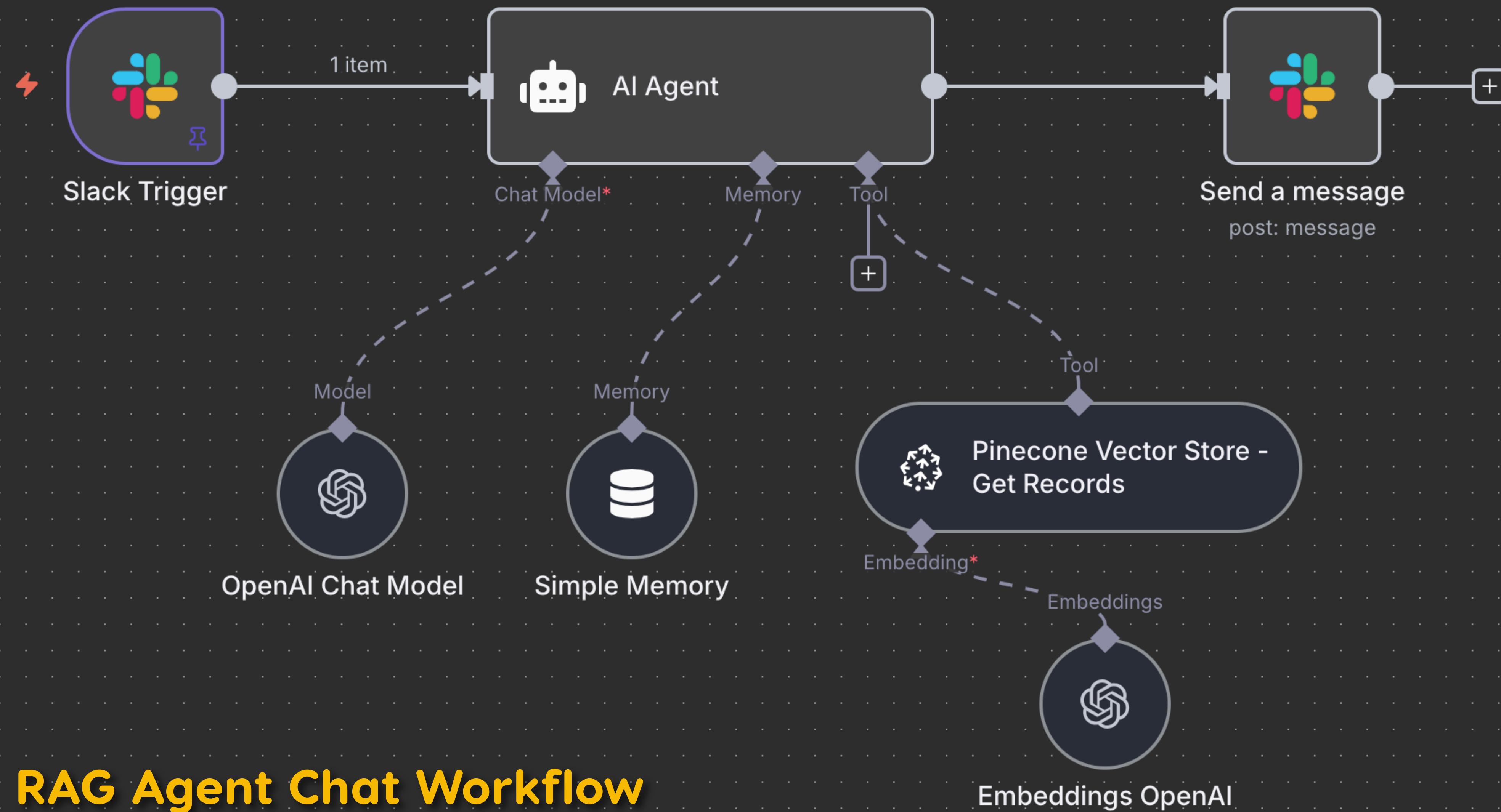




RAG Document Ingestion Workflow



Astronomy News
RAG Chat Agent
in Slack



questions