GraphQLConf

September 10-12, 2024 | San Francisco, CA

hosted by GraphQL Foundation

Dynamic (but safe) Operations

Using AI to generate Trusted Operations from Text Prompts

#GraphQLConf

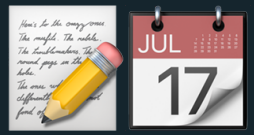
I'm **Obsessed** with GraphQL APIS

Michael Watson

Developer Relations at Apollo

APOLLO

Welcome
TO THE TEAM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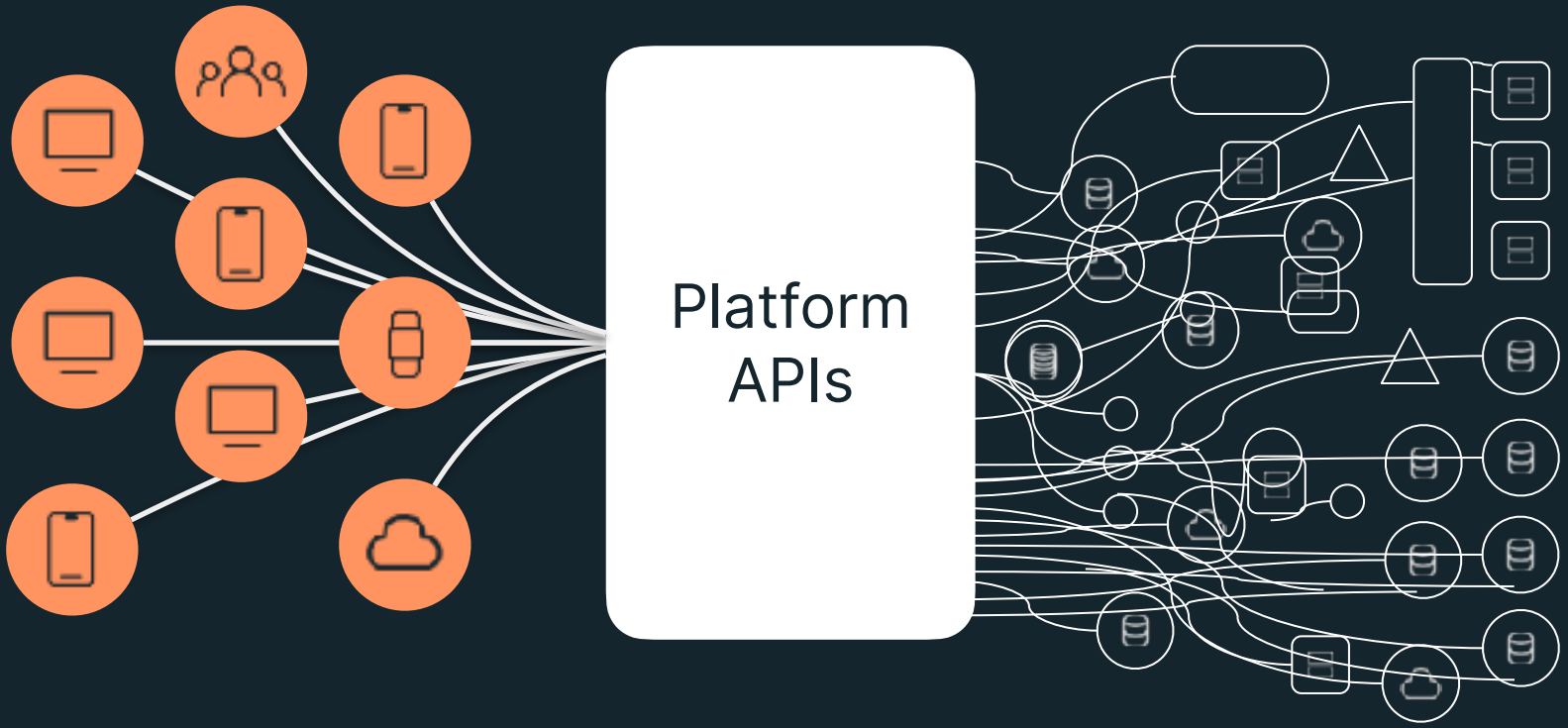
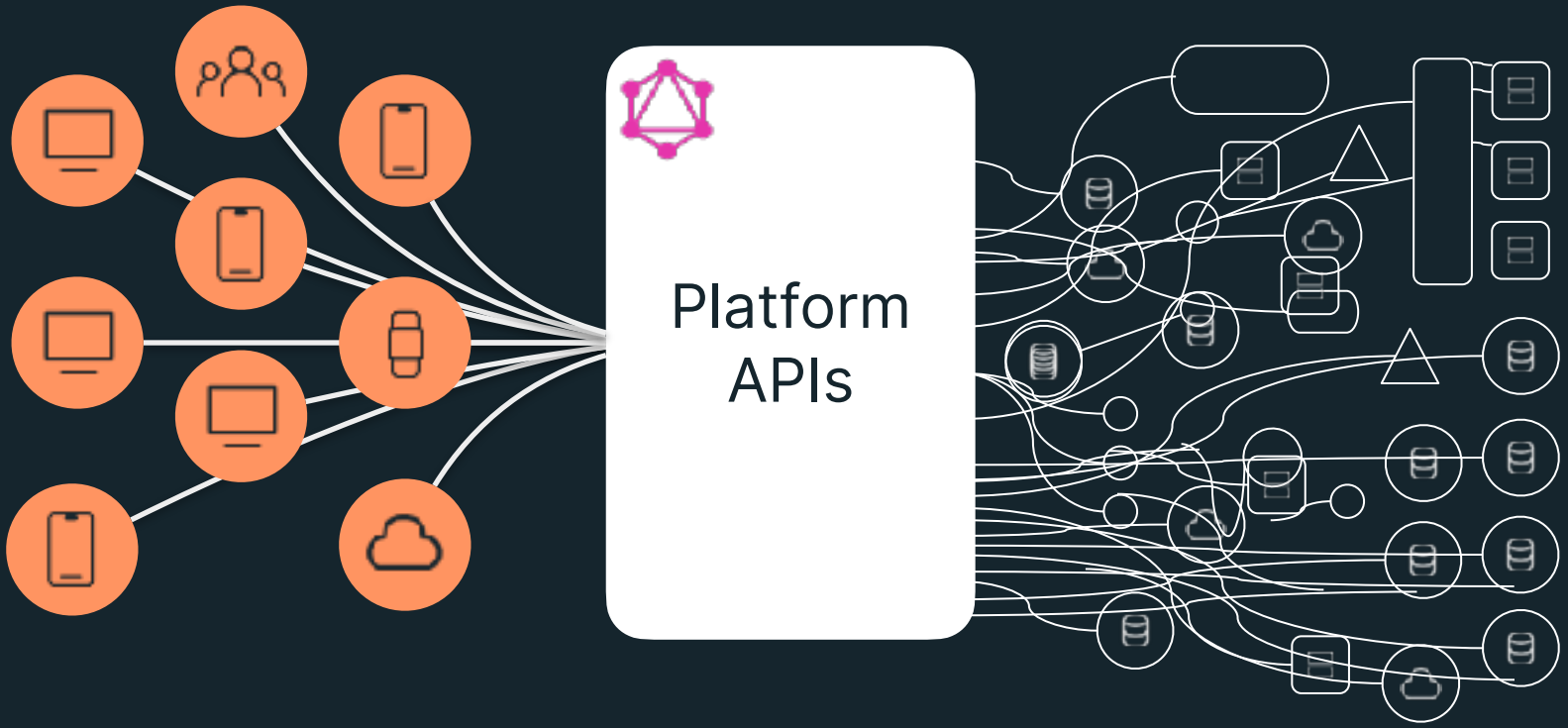
How can we help?

Platform APIs



Platform APIs



← Home

REST API

API Version: 2022-11-28 (latest)

Quickstart
About the REST API
Using the REST API
Authentication
Guides

Actions
Activity
Apps
Billing
Branches
Checks
Classroom
Code scanning
Code security settings
Codes of conduct
Codespaces
Collaborators
Commits
Copilot
Dependabot
Dependency graph
Deploy keys

The REST API is now versioned. For more information, see "About API versioning."

REST API / Actions /

REST API endpoints for GitHub Actions artifacts

Use the REST API to interact with artifacts in GitHub Actions.

About artifacts in GitHub Actions

You can use the REST API to download, delete, and retrieve information about workflow artifacts in GitHub Actions. Artifacts enable you to share data between jobs in a workflow and store data once that workflow has completed. For more information, see "Storing and sharing data from a workflow."

List artifacts for a repository

Lists all artifacts for a repository.

Anyone with read access to the repository can use this endpoint.

OAuth app tokens and personal access tokens (classic) need the `repo` scope to use this endpoint with a private repository.

Fine-grained access tokens for "List artifacts for a repository"

This endpoint works with the following fine-grained token types:

- GitHub App user access tokens
- GitHub App installation access tokens
- Fine-grained personal access tokens

The fine-grained token must have the following permission set:

Code samples for "List artifacts for a repository"

Request example

GET /repos/{owner}/{repo}/actions/artifacts

cURL | JavaScript | GitHub CLI

```
curl -L \
  -H "Accept: application/vnd.github+json" \
  -H "Authorization: Bearer <YOUR-TOKEN>" \
  -H "X-GitHub-Api-Version: 2022-11-28" \
  https://api.github.com/repos/OWNER/REPO/actions/artifacts
```

Response

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GraphQL API

Overview

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GitHub GraphQL API documentation

To create integrations, retrieve data, and automate your workflows, use the GitHub GraphQL API. The GitHub GraphQL API offers more precise and flexible queries than the GitHub REST API.

Overview

Start here

View all >

Forming calls with GraphQL

Learn how to authenticate to the GraphQL API, then learn how to create and run queries and mutations.

Introduction to GraphQL

Learn useful terminology and concepts for using the GitHub GraphQL API.

Using the Explorer

You can run queries on real GitHub data using the GraphQL Explorer, an integrated development environment in your browser that includes docs, syntax highlighting, and validation errors.

Popular

Explorer

Public schema

Download the public schema for the GitHub GraphQL API.

Schema previews

You can preview upcoming features and changes to the GitHub GraphQL schema before they are added to the GitHub GraphQL API.

Using pagination in the GraphQL API

Learn how to traverse data sets using cursor-based pagination with the GraphQL API.

What's new

View all >

Client IDs are now included in App API responses

August 28

Retrieve the code security configuration currently applied to a repository via API

August 16

Secret scanning push protection is supported for content upload REST API endpoints

August 13

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Explorer

For more information about how to use the explorer, see "Using the Explorer."

GitHub GraphQL API

Start exploring GraphQL API queries using your account's data now. Sign in with GitHub

Heads up! GitHub's GraphQL Explorer makes use of your real, live, production data.

GraphiQL

```
query {
  viewer {
    topRepositories(first: 5, orderBy: { field:
      nodes {
        name
        stargazerCount
        allowUpdateBranch
      }
    }
  }
}
```

```
{
  "data": null,
  "errors": [
    {
      "message": "Log in to try the GraphQL Explorer!"
    }
  ]
}
```

Variables Headers

Docs

⌘ K

A GraphQL schema provides a root type for each kind of operation.

Root Types

query: Query

mutation: Mutation

All Schema Types

AbortQueuedMigrationsInput
AbortQueuedMigrationsPayload
AbortRepositoryMigrationInput
AbortRepositoryMigrationPayload
AcceptEnterpriseAdministratorInvitationInput
AcceptEnterpriseAdministratorInvitationPayload
AcceptEnterpriseMemberInvitationInput
AcceptEnterpriseMemberInvitationPayload
AcceptTopicSuggestionInput
AcceptTopicSuggestionPayload
Actor
ActorLocation
ActorType

```
query {

  viewer {
    topRepositories(fi
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      }
    }
  }
}
```
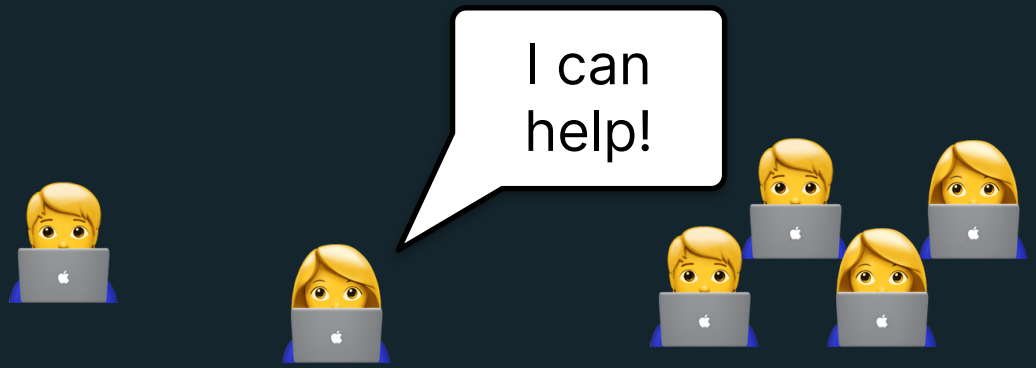

Variables Headers

I’m new to GraphQL

How do I get … from API?

Office Hours!!!



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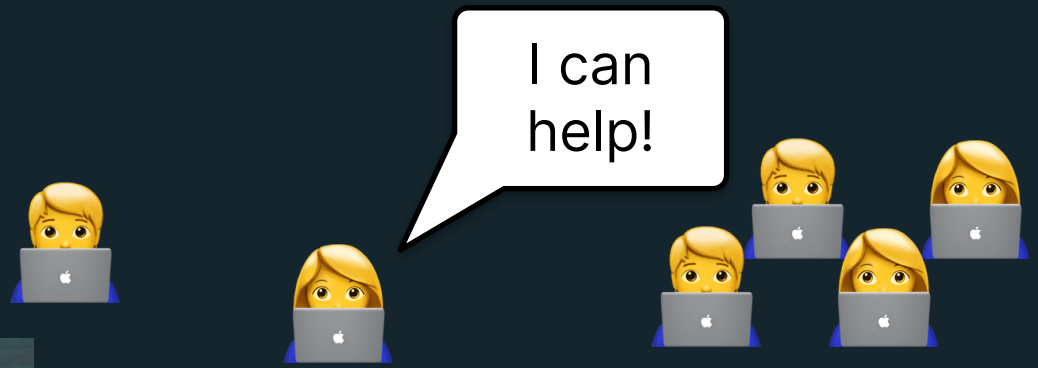

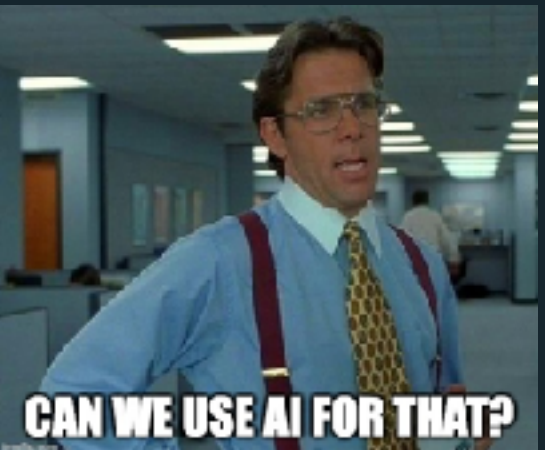

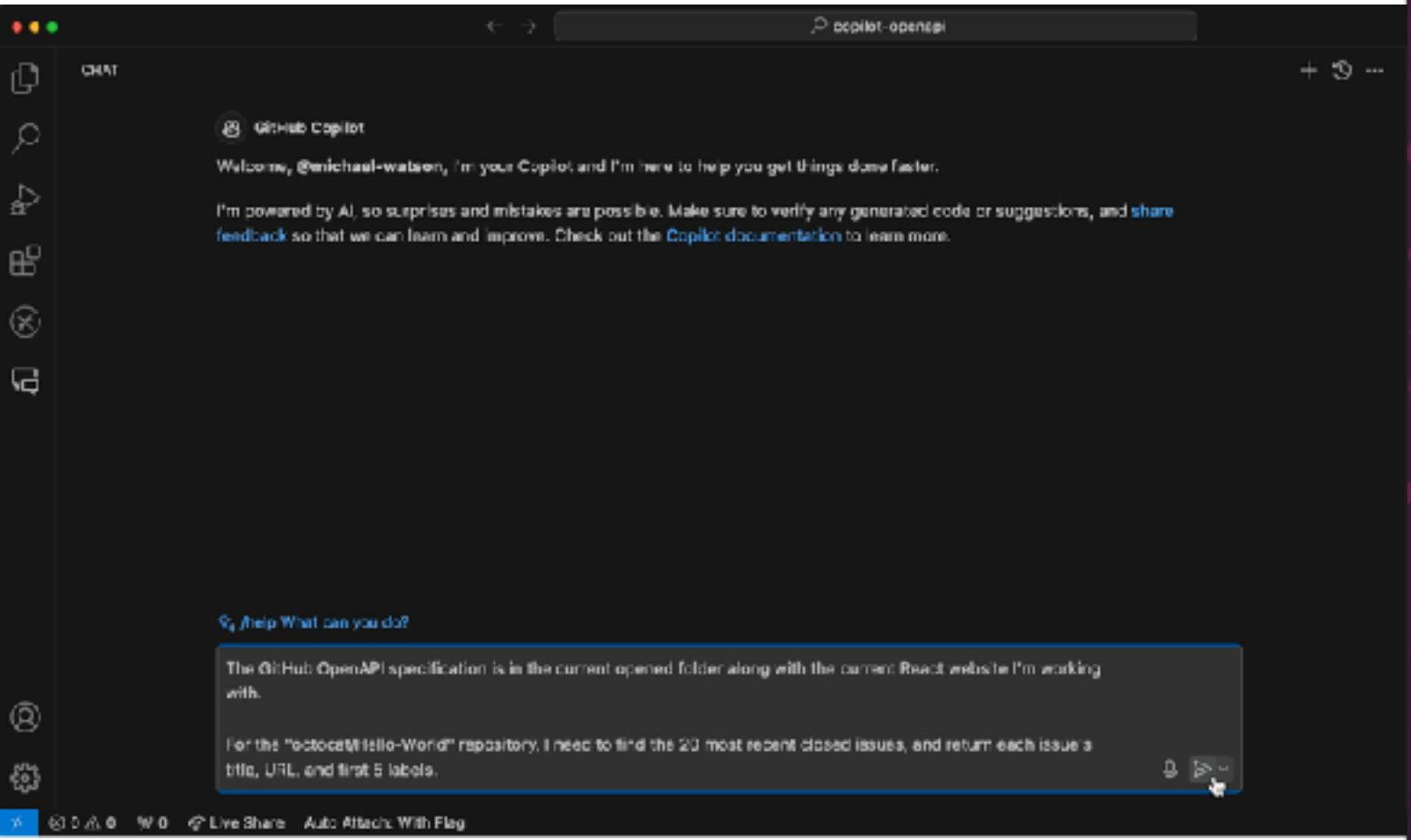

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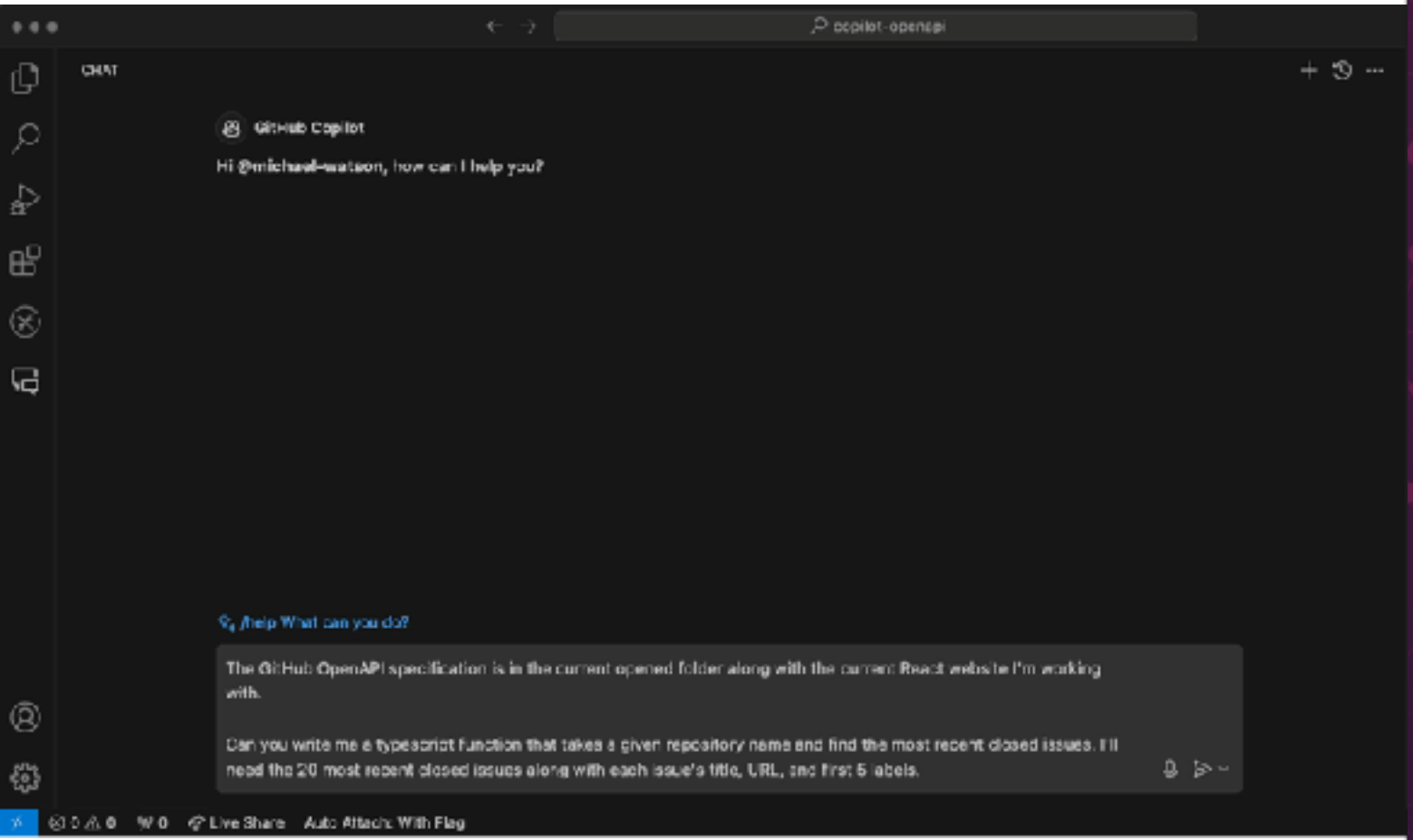

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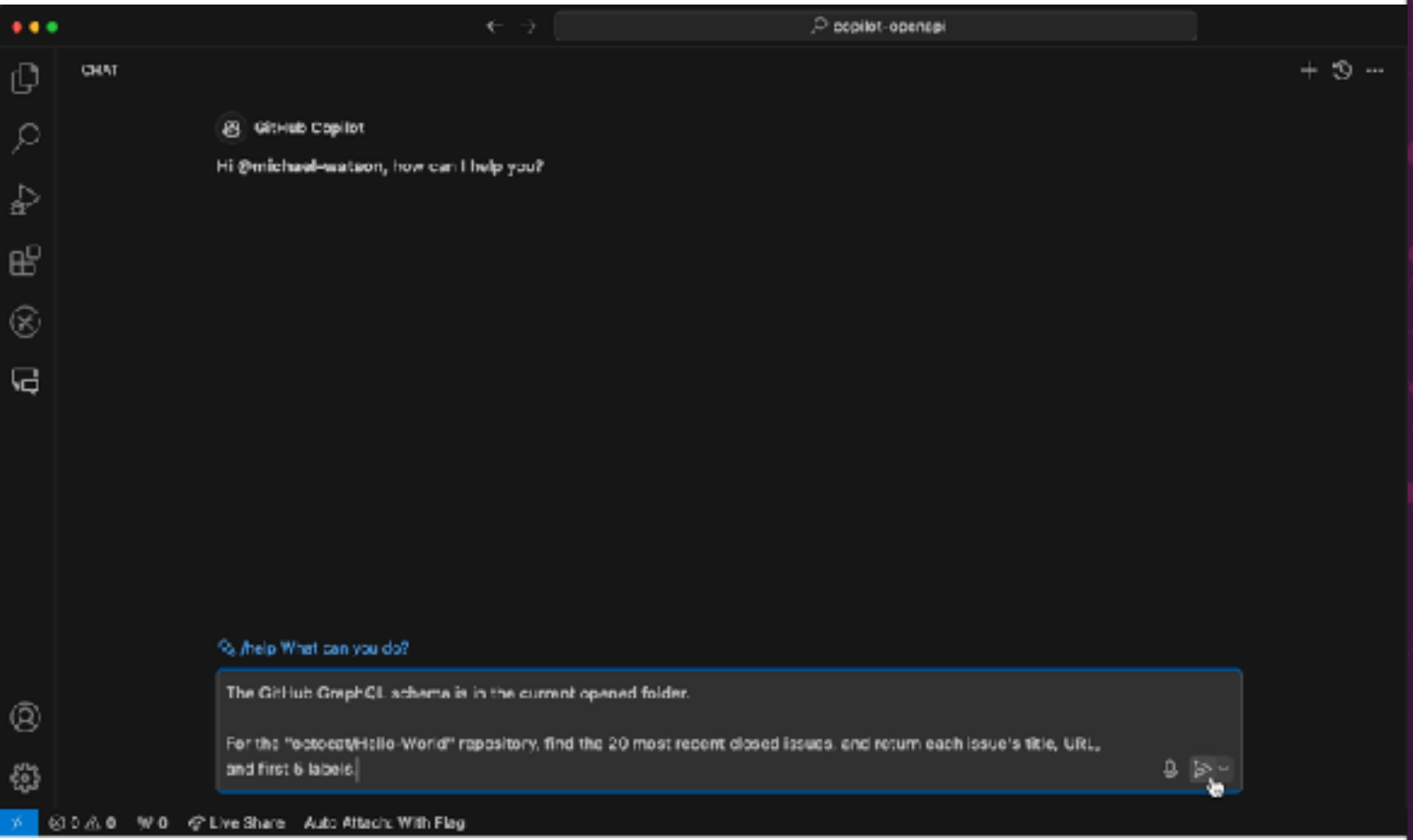

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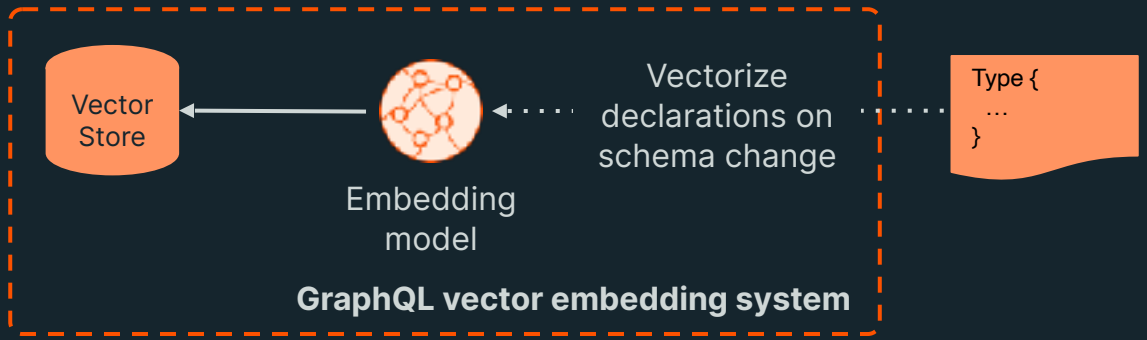
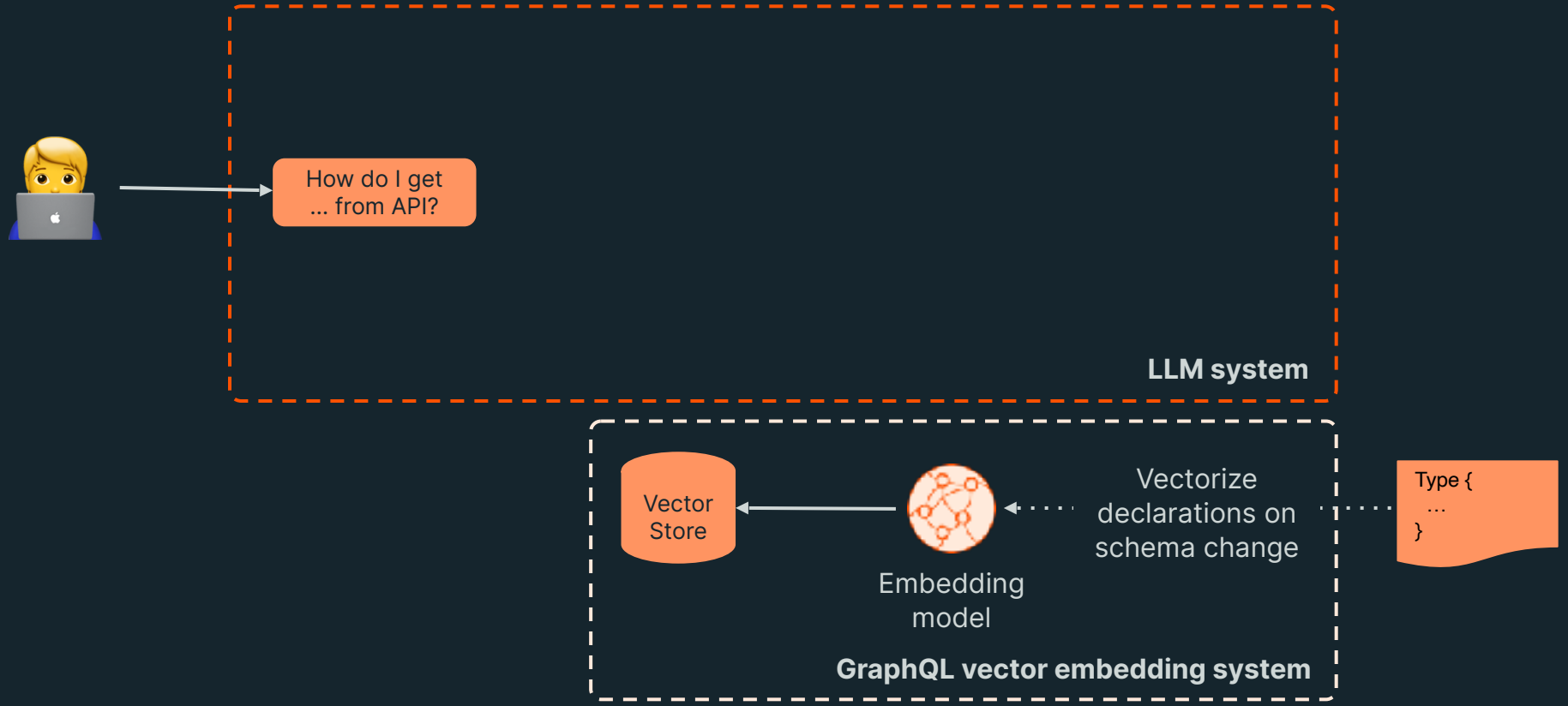
LLMs can easily understand GraphQL

Can we provide a GraphQL aware context to LLMs?

Using RAG with GraphQL



How it works


How do I get
... from API?
LLM system
Vector
Store
Embedding
model
Vectorize
declarations on
schema change
Type {
...
}
GraphQL vector embedding system

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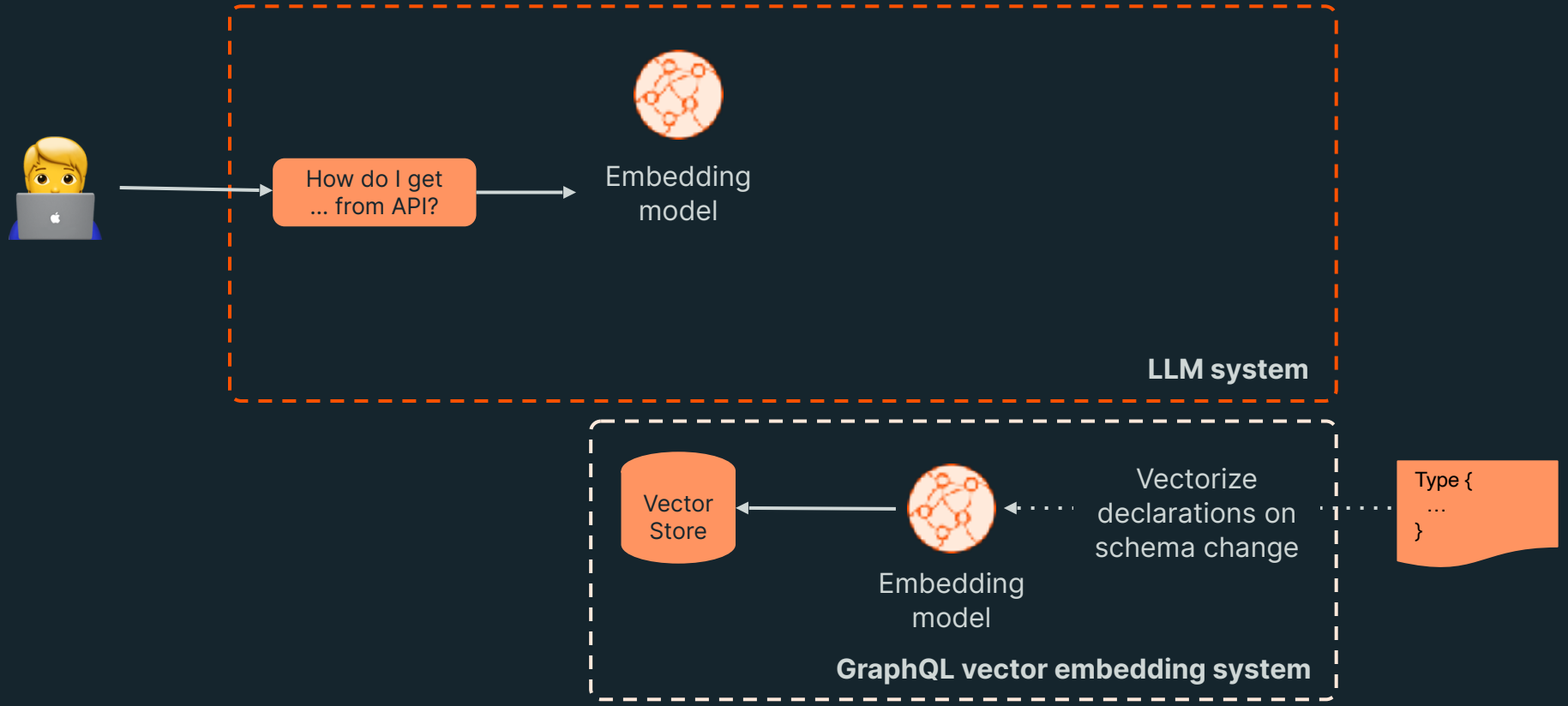
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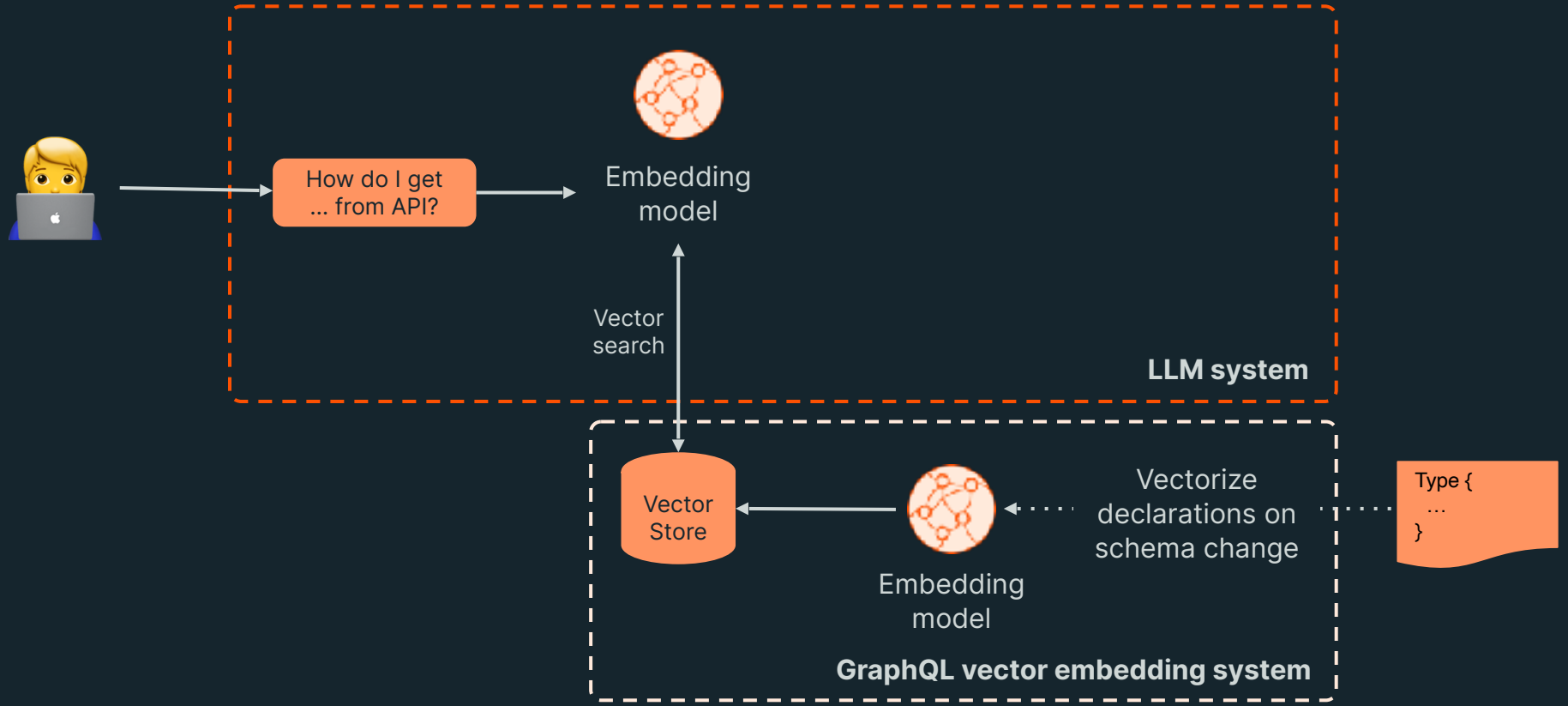
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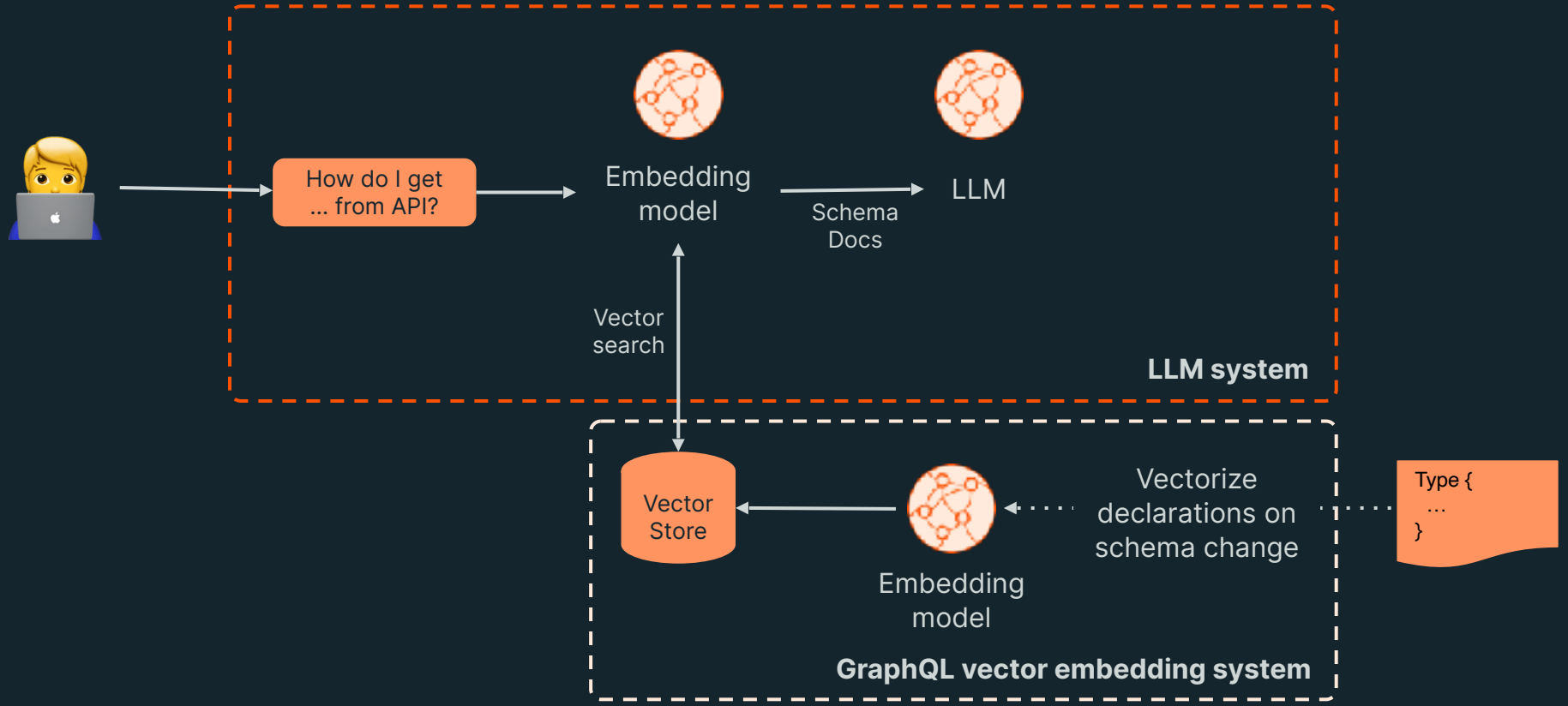
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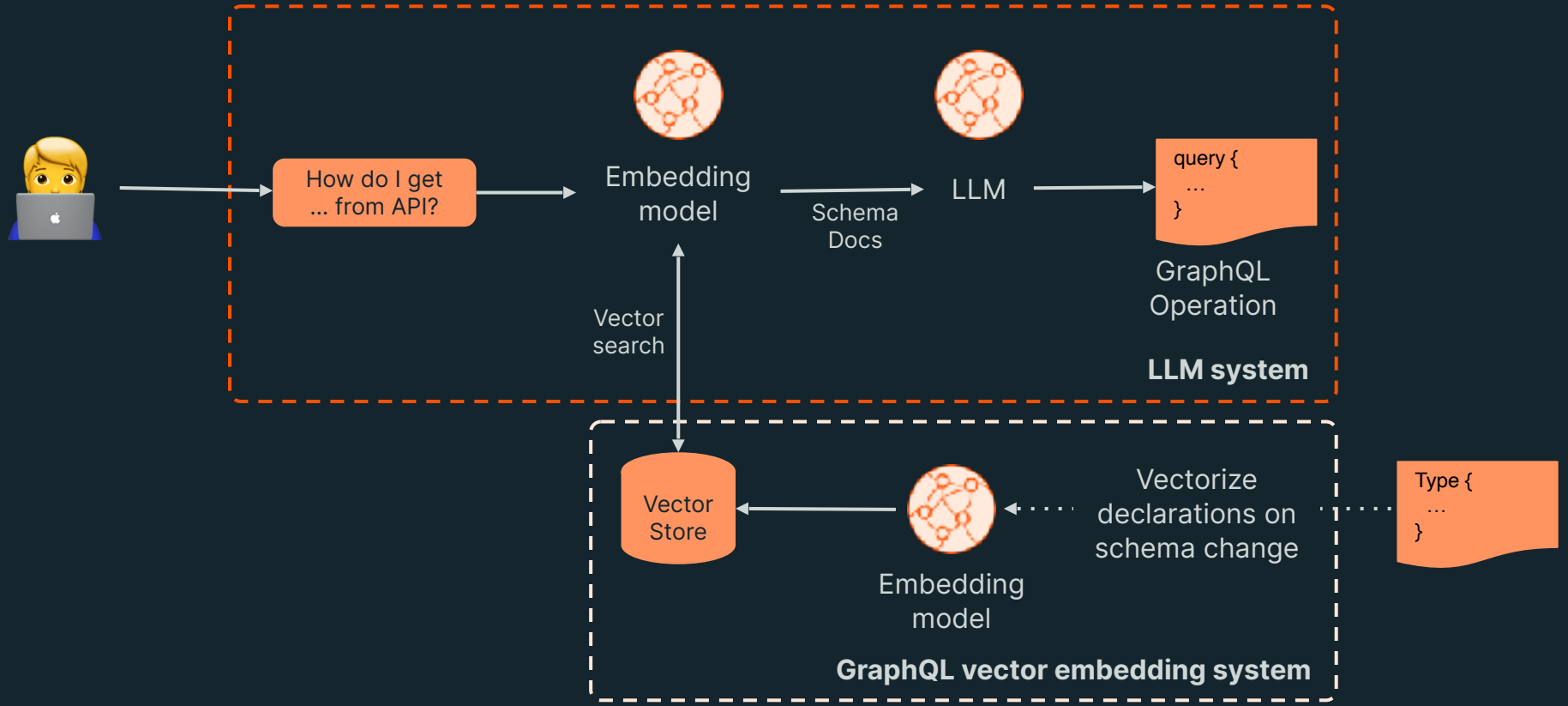
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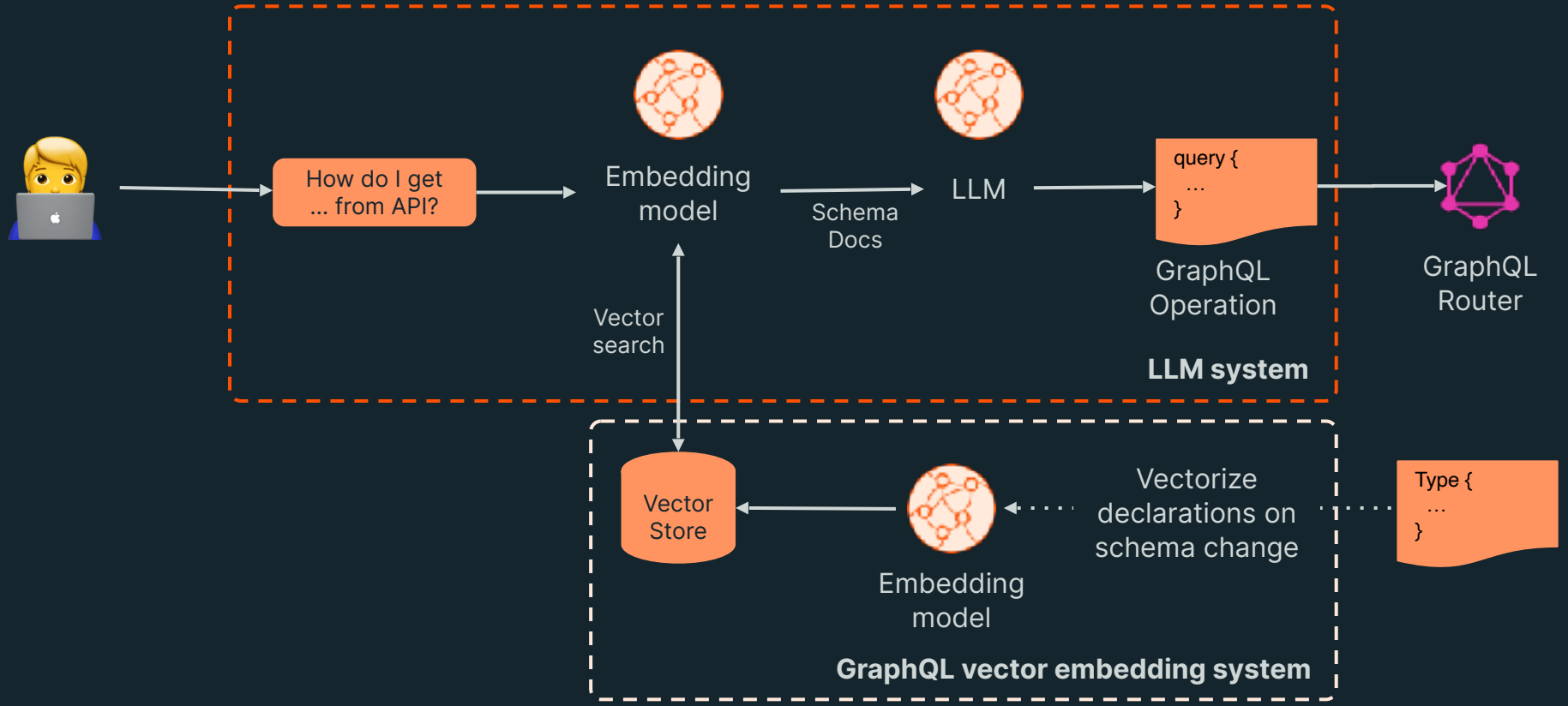
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DEMO

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