**API Endpoint**

**GET /api/jobs**  
*Filter jobs using advanced query syntax.*

**Query Parameters**

| **Parameter** | **Type** | **Description** | **Example** |
| --- | --- | --- | --- |
| filter | string | Filter conditions | (job\_type=full-time AND is\_remote=true) |
| per\_page | int | Results per page (default: 15) | ?per\_page=10 |
| page | int | Pagination page (default: 1) | ?page=2 |

**🔍 Filter Syntax**

**Basic Filters**

| **Operator** | **Example** |
| --- | --- |
| = != | job\_type=full-time, status!=draft |
| > < >= <= | salary\_min>=50000 |
| LIKE | title LIKE Developer |
| IN | job\_type IN (full-time,contract) |

**Relationship Filters**

| **Operator** | **Example** |
| --- | --- |
| HAS\_ANY | languages HAS\_ANY (PHP,JavaScript) |
| IS\_ANY | locations IS\_ANY (New York,Remote) |
| EXISTS | categories EXISTS |

**EAV (Dynamic Attributes)**

attribute:attribute\_name operator value

* **Example:** attribute:years\_experience>=3

**Logical Operators**

* **AND/OR:** (A AND B) OR C
* **Grouping:** (job\_type=full-time AND is\_remote=true)

**🚀 Example Queries**

1. **Remote Full-Time Jobs**

http

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/api/jobs?filter=(job\_type=full-time AND (languages HAS\_ANY (PHP,JavaScript))) AND (locations IS\_ANY (New York,Remote)) AND attribute:years\_experience>=3

**⚙️ Setup**

1. **Clone & Install**

bash

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git clone https://github.com/hasnamohamed/Astudio\_task

cd Astudio\_task

composer install

1. **Configure .env & Migrate**

bash

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cp .env.example .env

php artisan migrate --seed

1. **Run**

bash

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php artisan serve