==========
ATLAS DATA FEEDS | API SPECIFICATION
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PRODUCT: US Software Engineering Labor Market REST API
BASE URL: https://api.atlasdatafeeds.com/v1
AUTH: API Key (HTTP Header) or RapidAPI Proxy
PUBLISHER: Atlas Digital Media (atlasdatafeeds.com)
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1. OVERVIEW

The Atlas Data Feeds REST API allows developers, automated trading systems, and data pipelines to query daily software engineering hiring velocity, compensation ranges, and anomalous hiring spikes programmatically over HTTPS.

2. AUTHENTICATION

All requests to `api.atlasdatafeeds.com` must pass an API key via HTTP headers.

Direct Subscribers:
Header Key: `X-Atlas-API-Key`
Header Value: `your_live_api_key_here`

RapidAPI Subscribers:
Requests routed via the RapidAPI Hub automatically inject authentication headers:
Header Key: `X-RapidAPI-Key` or `X-RapidAPI-Proxy-Secret`

Example Header:
X-Atlas-API-Key: atlas_live_9f8a2b3c4d5e6f

3. RATE LIMITING & THROTTLING

Standard subscription tiers enforce the following rates:
- Developer Tier: 100 requests / minute
- Enterprise Tier: 1,000 requests / minute

Response Headers indicating limit status:
`X-RateLimit-Limit` : Maximum requests allowed per window.
`X-RateLimit-Remaining` : Remaining requests in current window.
`X-RateLimit-Reset` : UTC timestamp when the limit resets.

4. ENDPOINT SPECIFICATION

ENDPOINT 1: GET /v1/swe-snapshots/latest

Description: Retrieves the most recent daily snapshot dataset.

Query Parameters:
  - `company` (string, optional): Filter by corporate name (e.g., `Datadog`).
  - `limit` (integer, optional): Maximum records to return (Default: 100, Max: 1000).

Sample Request (cURL):
```
  curl -X GET "https://api.atlasdatafeeds.com/v1/swe-snapshots/latest?company=Datadog" \
       -H "X-Atlas-API-Key: your_live_api_key_here" \
       -H "Accept: application/json"
```

Sample Response (200 OK):

```
{
  "status": "success",
  "timestamp": "2026-08-04T02:01:10Z",
  "record_count": 1,
  "data": [
    {
      "record_id": "rec_m8a9x2b11",
      "timestamp_harvested": "2026-08-04T02:00:15.120Z",
      "company_name": "Datadog",
      "functional_role_category": "Software Engineering",
      "compensation_raw_min": 140000,
      "compensation_raw_max": 195000,
      "job_title": "Senior Backend Engineer - Distributed Systems",
      "location": "Remote - US"
    }
  ]
}
```

ENDPOINT 2: GET /v1/signals/spikes

Description: Returns automated Tier 2 intelligence signals flagging companies that have opened 2+ new software engineering requisitions within the last 24 hours.

Query Parameters:

- `min_spike` (integer, optional): Minimum role variance threshold (Default: 2).

Sample Request (Python):
```
import requests

url = "https://api.atlasdatafeeds.com/v1/signals/spikes?min_spike=2"
headers = {
    "X-Atlas-API-Key": "your_live_api_key_here",
    "Accept": "application/json"
}

response = requests.get(url, headers=headers)
print(response.json())
```

Sample Response (200 OK):
```
{
  "status": "success",
  "signal_type": "EXPANSION_SPIKE",
  "generated_at": "2026-08-04T03:30:00Z",
  "signals": [
    {
      "company": "Datadog",
      "yesterday_roles": 12,
      "today_roles": 17,
      "net_change": 5,
      "strength": "HIGH_VELOCITY_EXPANSION"
    }
  ]
}
```

5. CODE SNIPPETS

Node.js (Async/Await):
```javascript
const fetch = require('node-fetch');

async function getLaborData() {
    const url = 'https://api.atlasdatafeeds.com/v1/swe-snapshots/latest';
    const response = await fetch(url, {
        headers: { 'X-Atlas-API-Key': 'your_live_api_key_here' }
```

```
    });
    const result = await response.json();
    console.log(result);
}

getLaborData();
```