

JobAssist: Backend API Documentation

(Version 1.2.15 - Finalized)

This document describes the current Flask-based RESTful API, implemented in app.py. It manages all data and documents for job applications. All endpoints are numbered sequentially from 1.0 to 12.0.

1. Configuration & Environment

The backend connects to PostgreSQL using the following settings:

| Parameter | Value (Example/Default) | Notes |
|---------------|---|--|
| dbname | contact_db | The name of the database. |
| user | jobert | The PostgreSQL user. |
| password | linkedin | SECURITY NOTE: This password must be changed in a production environment. |
| host | localhost | The database server host. |
| UPLOAD_FOLDER | /home/jobert/webapp/contact_app/filestore | Location where files are stored on the server. |

2. Company Management Endpoints (1.0 - 3.0)

These endpoints manage standardized company profiles in the companies table.

1.0 GET /api/companies (Retrieve All Companies)

Retrieves all standardized company profiles.

| Detail | Specification |
|--------|----------------|
| Method | GET |
| URL | /api/companies |

| | |
|----------------|--|
| Returns | Structured JSON Object: {"status": "success", "companies": [...]} |
|----------------|--|

2.0 GET /api/next_company (Get Next Raw Name to Standardize)

Retrieves the next unstandardized company name that needs review.

| Detail | Specification |
|-----------------------|---|
| Method | GET |
| URL | /api/next_company |
| Authentication | Mandatory (Assumed to be protected) |
| Returns | JSON Object containing the raw company name. |

3.0 GET /api/companies/{company_id}

Detail: Retrieves a single, standardized company profile using its unique integer ID. This endpoint is used by the frontend to display detailed company information and pre-populate the standardization form.

| Detail | Specification |
|-----------------------|--|
| Method | GET |
| URL | /api/companies/{company_id} |
| Authentication | Optional (Used primarily for data retrieval) |
| Returns | Structured JSON object containing the company profile under the company key. |

Success Response Body (200 OK):

The response is wrapped in a consistent structure. The company object contains all standardized company fields:

| Field Name | Type | Description |
|---------------------------|--------------------|--|
| company_id | Integer | Unique identifier for the company profile. |
| company_name_clean | String | Standardized company name. |
| headquarters | String (Nullable) | Location of company headquarters. |
| size_employees | Integer (Nullable) | Total employee count. |
| annual_revenue | Float (Nullable) | Company's annual revenue value. |
| revenue_scale | String (Nullable) | Revenue scale (e.g., 'M', 'B'). |
| target_interest | Boolean | High-priority flag. |
| notes | String (Nullable) | Detailed notes or commentary. |

Example Successful Response (200 OK):

```
{
  "status": "success",
  "company": {
    "company_id": 197,
    "company_name_clean": "Alphabet Inc.",
    "headquarters": "Mountain View, CA",
    "size_employees": 156000,
    "annual_revenue": 282.8,
    "revenue_scale": "B",
    "target_interest": true,
    "notes": "Verified against 2024 Q3 earnings report."
  }
}
```

Verification Test Sequence (cURL)

Use this command to retrieve the detailed profile for test company ID 197:

```
curl -X GET http://localhost:8000/api/companies/197
```

Expected Response (Example - 404 Not Found):

If the ID does not exist, the endpoint returns the standard error wrapper:

```
{  
  "status": "error",  
  "message": "Company ID 999 not found."  
}
```

4.0 PUT /api/companies/{company_id}

Detail: Updates an existing standardized company profile record in the companies table. This is the main endpoint used by the standardization tool to persist clean, structured data.

| Detail | Specification |
|-----------------------|---|
| Method | PUT |
| URL | /api/companies/{company_id} |
| Authentication | Mandatory (Verifies user is logged in/authorized for standardization) |
| Returns | JSON object with status, message, and company_id. |

Request Body (JSON - Includes all updatable fields):

| Field Name | Type | Description |
|--------------------|--------------------|--|
| company_name_clean | String | The primary, standardized name for the company. |
| headquarters | String (Nullable) | The standardized location of the company headquarters. |
| size_employees | Integer (Nullable) | The total number of |

| | | |
|------------------------|-------------------|--|
| | | employees. |
| annual_revenue | Float (Nullable) | The company's annual revenue value. |
| revenue_scale | String (Nullable) | The scale of the revenue (e.g., 'M', 'B'). |
| target_interest | Boolean | Flag indicating if this is a high-priority target company. |
| notes | String (Nullable) | New: Detailed notes or commentary on the company. |

Verification Test Sequence (cURL)

Use the following sequence to test that all fields, especially **notes**, are successfully updated and retrieved for a test ID (e.g., 197):

Step 1: Execute the PUT Request

This command updates company 197 and includes the test value for notes.

```
curl -X PUT http://localhost:8000/api/companies/197 \
-H "Content-Type: application/json" \
-d '{
    "company_id": 197,
    "company_name_clean": "Alphabet Inc.",
    "headquarters": "Mountain View, CA",
    "size_employees": 156000,
    "annual_revenue": 282.8,
    "revenue_scale": "B",
    "target_interest": true,
    "notes": "Updated via cURL to test the full PUT payload, including notes field persistence."
}'
```

Expected Response (200 OK):

```
{
  "company_id": 197,
```

```
        "message": "Company ID 197 updated successfully.",  
        "status": "success"  
    }  
  

```

Step 2: Verify with a GET Request

This command retrieves the record to confirm the changes were saved, specifically looking for the new notes content.

```
curl -X GET http://localhost:8000/api/companies/197
```

Expected Response (Example - 200 OK):

```
{  
    "company_id": 197,  
    "company_name_clean": "Alphabet Inc.",  
    "headquarters": "Mountain View, CA",  
    "size_employees": 156000,  
    "annual_revenue": 282.8,  
    "revenue_scale": "B",  
    "target_interest": true,  
    "notes": "Updated via cURL to test the full PUT payload, including notes field persistence."  
}
```

5.0 GET

/api/companies/{companyId}/raw_names (Raw Names for Standardization Review)

This endpoint retrieves a list of all user-entered **"raw" company names** that have been successfully mapped (standardized) to the specified clean Company Profile ID. This is a critical feature for the Cleanup and Management tools, allowing users to see which raw inputs are linked to a single, clean company entry.

Specification

| Detail | Specification |
|--------|---------------|
|--------|---------------|

| | |
|-------------------------|--|
| Method | GET |
| URL | /api/companies/{companyId}/raw_names |
| Authentication | Mandatory (Requires Bearer Token - MOCK_USER_ID is currently used) |
| Path Parameter | companyId (Integer): The unique ID of the standardized company profile. |
| Query Parameters | None |
| Returns | JSON object containing the target company_id and a list of raw_names objects. |

Request Example (cURL)

Retrieve all raw names mapped to Company ID 310 (e.g., "Google").

```
curl -X GET
"[http://192.168.56.4/api/companies/310/raw_names](http://192.168.56.4/api/companies/310/ra
w_names)" \
-H "Authorization: Bearer MOCK_TOKEN" \
-H "Content-Type: application/json"
```

Success Response (Status 200 OK)

The response provides the clean company ID, a message indicating the number of names found, and an array (raw_names) of the raw company names that have been linked to the clean profile. If no raw names are mapped, the raw_names array will be empty.

```
{
  "status": "success",
  "company_id": 310,
  "message": "Retrieved 4 raw names mapped to company 310.",
  "raw_names": [
    {
      "mapping_id": 1004,
      "raw_name": "Google",
      "source_filename": "linkedin_imports_q3_2025.csv",
      "date_imported": "2025-09-01T12:00:00"
    },
  ]}
```

```
{
  "mapping_id": 1005,
  "raw_name": "Alphabet Inc.",
  "source_filename": "linkedin_imports_q3_2025.csv",
  "date_imported": "2025-09-01T12:00:00"
},
{
  "mapping_id": 1006,
  "raw_name": "Google Careers Site",
  "source_filename": "monster_resume_data.csv",
  "date_imported": "2025-10-15T09:30:00"
},
{
  "mapping_id": 1007,
  "raw_name": "googel",
  "source_filename": "monster_resume_data.csv",
  "date_imported": "2025-10-15T09:30:00"
}
]
```

Error Responses

| Status Code | Example Error Message | Description |
|-------------------------|---|--|
| 400 Bad Request | {"status": "error", "message": "Invalid company ID format."} | Occurs if the path parameter is not a positive integer. |
| 404 Not Found | {"status": "error", "message": "Company profile with ID 9999 not found."} | The requested companyId does not exist in the companies table. |
| 500 Server Error | {"status": "error", "message": "Database error during raw name retrieval."} | A server-side or database connection failure occurred. |

6.0 POST /api/map/existing (Map Raw Name to Existing Company)

This endpoint is used when a user reviews an unstandardized raw company name (e.g., "Google LLC") and determines that it should be mapped to an existing standardized company profile (e.g., "Google").

This is a simple, single-step **UPDATE** transaction. It is the primary way standardization is performed after a clean profile has been created (using Endpoint 7.0 or a previously executed standardization action).

Specification

| Detail | Specification |
|-----------------------|-------------------------------------|
| Method | POST |
| URL | /api/map/existing |
| Authentication | Mandatory (Requires Bearer Token) |
| Returns | JSON object confirming the mapping. |

Request Body Fields (JSON Payload)

| Field Name | Type | Description | Required | Notes |
|--------------------|---------|--|------------|--|
| raw_name_id | Integer | The unique ID of the unstandardized name record (e.g., 1004). | Yes | This is the record being updated. |
| company_id | Integer | The unique ID of the existing standardized profile (e.g., 310 for "Google"). | Yes | This value is populated in the company_name_mapping table. |

cURL Request Example

This example maps the raw name with **raw_name_id: 1004** (e.g., the text was "goog corp") to the existing standardized company profile with **company_id: 310** ("Google").

```
curl -X POST "[http://192.168.56.4/api/map/existing](http://192.168.56.4/api/map/existing)" \
-H "Authorization: Bearer MOCK_TOKEN" \
-H "Content-Type: application/json" \
-d'{
  "raw_name_id": 1004,
  "company_id": 310
}'
```

Success Response (Status 200 OK)

A successful request confirms the update has been applied.

```
{
  "status": "success",
  "message": "Raw name ID 1004 successfully mapped to existing company ID 310."
}
```

Failure Responses

| Status Code | Example Error Message | Description |
|-------------------------|---|---|
| 400 Bad Request | {"status": "error", "message": "raw_name_id and company_id are required."} | Missing required fields in the payload. |
| 404 Not Found | {"status": "error", "message": "Mapping not updated. Raw Name ID not found or already mapped."} | The raw_name_id provided either does not exist or already has a company_id assigned. The update was not executed. |
| 500 Server Error | {"status": "error", "message": "Database error during existing map."} | A general database or server-side failure occurred. |

7.0 POST /api/map/new (Create New Company and Map Raw Name)

This endpoint is the most robust way to standardize a raw company name when no existing clean company profile matches it. It performs a single, **atomic database transaction** involving two critical steps:

1. **Creation:** Inserts a new standardized company profile into the **companies** table using the provided `company_name_clean`.
2. **Mapping:** Updates the specified `raw_name_id` in the `company_name_mapping` table to link it to the newly generated `company_id`.

Specification

| Detail | Specification |
|-----------------------|--|
| Method | POST |
| URL | /api/map/new |
| Authentication | Mandatory (Requires Bearer Token) |
| Returns | JSON object with the new <code>company_id</code> . |

Request Body Fields (JSON Payload)

| Field Name | Type | Description | Required | Notes |
|---------------------------------|---------|---|----------|--|
| <code>raw_name_id</code> | Integer | The unique ID of the unstandardized name record to be mapped. | Yes | Retrieved from Endpoint 2.0 or 4.0. |
| <code>company_name_clean</code> | String | The finalized, clean, official name to be used for the new company profile. | Yes | This value populates <code>companies.company_name_clean</code> . |

cURL Request Example

This example assumes the user has an unmapped raw name with raw_name_id: 1003 (e.g., the text was "A_mazOn co.") and wants to create the new standardized company "Amazon" and map the raw name to it.

```
curl -X POST "[http://192.168.56.4/api/map/new](http://192.168.56.4/api/map/new)" \
-H "Authorization: Bearer MOCK_TOKEN" \
-H "Content-Type: application/json" \
-d '{
  "raw_name_id": 1003,
  "company_name_clean": "Amazon"
}'
```

Success Response (Status 201 Created)

The endpoint confirms success and returns the new unique company ID.

```
{
  "status": "success",
  "message": "New company ID 312 created and raw name ID 1003 mapped successfully.",
  "company_id": 312
}
```

8.0 POST /api/map/self (Map Raw Name to Self / No Standardization Needed)

This endpoint is a standardization action used when the **raw company name** is already in its optimal, clean format (e.g., "Apple Inc."). Instead of requiring the user to manually copy the raw name into the "new company" endpoint, this performs the atomic transaction automatically:

1. **Creation:** Inserts a new standardized company profile into the companies table using the submitted raw_name as the company_name_clean.
2. **Mapping:** Updates the specified raw_name_id in the company_name_mapping table to link it to the newly generated company_id.

This action effectively creates a **new, clean profile** from the existing raw data, simultaneously mapping the raw name to it.

Specification

| Detail | Specification |
|-----------------------|--------------------------------------|
| Method | POST |
| URL | /api/map/self |
| Authentication | Mandatory (Requires Bearer Token) |
| Returns | JSON object with the new company_id. |

Request Body Fields (JSON Payload)

| Field Name | Type | Description | Required | Notes |
|--------------------|---------|--|------------|---|
| raw_name_id | Integer | The unique ID of the unstandardized name record to be mapped. | Yes | Retrieved from the "Next Company" endpoint (2.0). |
| raw_name | String | The exact raw name string (e.g., "Meta Platforms, Inc."). This is used to create the new company_name_clean profile. | Yes | Must match the raw name text for confirmation. |

cURL Request Example

This example assumes the user has an unmapped raw name with **raw_name_id: 1005** where the name itself is "**Coca-Cola**". The goal is to create a new profile called "Coca-Cola" and map the raw name to it.

```
curl -X POST "[http://192.168.56.4/api/map/self](http://192.168.56.4/api/map/self)" \
-H "Authorization: Bearer MOCK_TOKEN" \
-H "Content-Type: application/json" \
-d '{
  "raw_name_id": 1005,
```

```
"raw_name": "Coca-Cola"  
}'
```

Success Response (Status 201 Created)

The endpoint confirms the creation of the new company and the successful mapping.

```
{  
  "status": "success",  
  "message": "New company ID 313 created (using raw name) and raw name ID 1005 mapped  
successfully.",  
  "company_id": 313  
}
```

Failure Responses

| Status Code | Example Error Message | Description |
|-------------------------|---|--|
| 400 Bad Request | {"status": "error", "message": "raw_name_id and raw_name are required."} | Missing required fields in the payload. |
| 404 Not Found | {"status": "error", "message": "Mapping not updated. Raw Name ID not found or already mapped. New company was not created."} | The transaction was rolled back because the raw_name_id was already mapped or didn't exist. |
| 500 Server Error | {"status": "error", "message": "Database error during self map."} | A database or internal processing failure occurred, and the transaction was rolled back. |

4. Application Management Endpoints

(9.0 - 12.0)

These endpoints manage job application records.

CRUD /api/applications/uuid:application_id (Application Record Management)

This endpoint is used for managing the lifecycle of a single application record using its **UUID**.

| Method | Purpose | Request Body | Returns |
|---------------|--|---|---|
| GET | Retrieves a single, full application record, including nested company_info and job_title_info. | None | Full Application JSON Object. |
| PUT | Updates all fields for the specified application (e.g., status, date applied). | JSON: Requires the full payload (same structure as 10.0 POST) with updated values. | Status JSON: {"status": "success", "message": "..."} |
| DELETE | Permanently deletes the application record and all associated documents. | None | Status JSON: {"status": "success", "message": "..."} |

9.0 POST /api/application/uuid:application_id/documents (Document Upload)

CRITICAL FIX APPLIED. Uploads a new document (file) associated with an existing job application.

| Detail | Specification | Notes |
|---------------|---------------|-------|
| Method | POST | |

| | | |
|---------------------|---|--|
| URL | /api/application/{application_id}/documents | {application_id} must be a valid UUID. |
| Content-Type | multipart/form-data | CRITICAL: The request must be submitted as form data. |

Request Body Fields (Form Data) - FINAL CORRECTION

| Field Name | Type | Required | Description |
|---------------------------|---------------|----------|--|
| document | Binary File | Yes | FIXED: The actual file content to be stored (must use this name for request.files). |
| document_type_code | String (ENUM) | Yes | FIXED: The document classification code (must use this name for request.form). |

Example curl Request

```
curl -X POST
"[https://api.jobassist.com/api/application/a1b2c3d4-e5f6-7890-1234-567890abcdef/documents](https://api.jobassist.com/api/application/a1b2c3d4-e5f6-7890-1234-567890abcdef/documents)" \
-H "Authorization: Bearer <YOUR_AUTH_TOKEN>" \
-F "document=@./my_resume.pdf" \
-F "document_type_code=RESUME"
```

10.0 POST /api/applications (Application Creation)

This endpoint creates a new application entry for the authenticated user, linking it to a standardized company profile and either reusing an existing job title or creating a new one in

the job_titles table.

Request Body Fields (JSON Payload)

| Field Name | Type | Description | Required | Notes |
|-----------------------|------------------|---|------------|--|
| company_id | Integer | The unique ID of the standardized company profile this application is for (e.g., from the companies table). | Yes | Must be a valid, existing company_id. |
| job_title_name | String (Max 255) | The full, human-readable job title (e.g., "Senior Data Analyst"). | Yes | The backend is responsible for creating a new entry in job_titles or finding the existing job_title_id based on this name. |
| date_applied | String | The date the user submitted the application. | Yes | Must be in the standard YYYY-MM-DD format. |
| current_status | String (Max 50) | The initial status of the application. | Yes | Typically "Applied" or a similar starting state defined by the client. |

Request Body Example

```
{  
  "company_id": 420,  
  "job_title_name": "Software Engineering Intern - 2026 Summer",  
  "date_applied": "2026-01-15",  
  "current_status": "Applied"}  
  
```

```
"date_applied": "2025-11-06",
"current_status": "Applied"
}
```

Success Response (Status 201 Created)

A successful response returns the unique ID (UUID) of the newly created application record.

```
{
  "status": "success",
  "message": "Application created successfully.",
  "application_id": "8b51d8b0-a3f2-4e4b-9c7f-05f7e7f8e8e9"
}
```

11.0 APPLICATION AGGREGATE API: GET /api/applications

This endpoint retrieves a comprehensive list of job applications for the authenticated user, filtered by a specific company. The response is highly structured, nesting company, job title, and document information within each application record.

Detail Specification

| Detail | Specification | Notes |
|-----------------------|-------------------|---|
| Method | GET | |
| URL | /api/applications | |
| Query Param | company_id=<int> | Mandatory. Must be a valid integer ID for the target company. |
| Authentication | Mandatory | Requires a valid user session (User ID filter enforced on all returned data). |
| Response | JSON Object | Encapsulated response |

| | | |
|--|--|-----------------------------|
| | | with root key applications. |
|--|--|-----------------------------|

cURL Testing Example

This command tests the endpoint using a placeholder Company ID (24) and requires an Authorization header with a valid user token.

```
# Replace <YOUR_AUTH_TOKEN> with a valid user session token.  
# Replace 24 with a company_id known to have applications.  
curl -X GET \  
-H "Authorization: Bearer <YOUR_AUTH_TOKEN>" \  
"http://localhost:5000/api/applications?company_id=24"
```

Response Schema (JSON)

The response is a structured object containing a list of application records.

```
{  
  "status": "success",  
  "applications": [  
    {  
      "application_id": "e7b0c5d6...",  
      "date_applied": "2025-10-25",  
      "current_status": "INTERVIEW",  
  
      "company_info": {  
        "company_id": 24,  
        "company_name_clean": "3545 Consulting-Global"  
        // CRITICAL: Frontend must access this field explicitly.  
      },  
  
      "job_title_info": {  
        "job_title_id": 150,  
        "title_name": "Senior Data Analyst"  
        // CRITICAL: Frontend must access this field explicitly.  
      },  
  
      "documents": [  
        {  
          "document_id": "4a1d82f0...",  
          "document_type": "RESUME",  
        }  
      ]  
    }  
  ]  
}
```

```

    "file_path": "4a1d82f0-...",
    "original_filename": "My_Resume_Q4.pdf"
},
// ... more document objects
]
},
// ... more application objects
]
}

```

Application Object Fields

| Field | Type | Description | Frontend Access Path (Example) |
|----------------|---------------|---|--------------------------------|
| application_id | UUID (String) | Unique ID for the application record. | app.application_id |
| date_applied | Date (String) | The date the user applied (YYYY-MM-DD). | app.date_applied |
| current_status | String | Current status of the application (e.g., APPLIED, INTERVIEW). | app.current_status |
| company_info | Object | Nested object containing standardized company data. | |
| job_title_info | Object | Nested object containing standardized job title data. | |
| documents | Array | Nested array of all documents uploaded for this application. | |

Nested company_info Object

| Field | Type | Description | CRITICAL Access Path |
|--------------------|---------|---|-------------------------------------|
| company_id | Integer | Unique ID of the standardized company. | app.company_info.company_id |
| company_name_clean | String | The standardized, human-readable name. | app.company_info.company_name_clean |

Nested job_title_info Object

| Field | Type | Description | CRITICAL Access Path |
|--------------|---------|---|---------------------------------|
| job_title_id | Integer | Unique ID of the standardized job title. | app.job_title_info.job_title_id |
| title_name | String | The human-readable job title name. | app.job_title_info.title_name |

12.0 GET /api/documents/{document_id} (Document Download)

Securely retrieves the binary file content for a specific document.

| Detail | Specification | Notes |
|--------|------------------------------|--|
| Method | GET | |
| URL | /api/documents/{document_id} | {document_id} must be the UUID returned by Endpoint |

| | | |
|-----------------------|------------------------------------|--|
| | | 9.0 or retrieved via 11.0. |
| Authentication | Mandatory | Server performs an ownership check against the document ID. |
| Response | Binary File Stream | The response is the raw file content (application/octet-stream), <i>not</i> a JSON object. |
| Header | Content-Disposition: attachment | This forces the browser to download the file using the original filename. |

CRITICAL: Download URL Construction

The frontend team must construct the full URL by appending the **document_id** (which is a UUID string) to the base path. **Do not use the application_id here.**

| Parameter | Example Value |
|--------------------|---|
| Base URL | https://api.jobassist.com/ |
| Document ID | 9f142b78-c1a7-4d43-9e45-12a8f89c6d30 |

Full, Formatted Download URL Example:

[BASE_URL]/api/documents/9f142b78-c1a7-4d43-9e45-12a8f89c6d30

Error Response

If the document is not found, or if the authenticated user does not own the application associated with the document, the server will return a standard error object with a **404 Not Found** status to prevent unauthorized probing of existing document IDs.

```
{
  "status": "error",
  "message": "File not found or unauthorized access."
}
```

API 13.0: GET

/api/companies/int:company_id/contacts

Purpose

Retrieves a list of all contacts associated with the specified standardized company profile. This includes contacts mapped via any of the company's raw (unstandardized) names.

Endpoint Specification

| Detail | Specification |
|----------------------------|---|
| Method | GET |
| URL | /api/companies/<int:company_id>/contacts |
| Authentication | Mandatory (Authorization: Bearer [TOKEN]) |
| Purpose | Get all contacts linked to a specific company ID. |
| Required Parameters | Path Parameter: <company_id> (Integer) |

Success Response (HTTP 200 OK)

A successful request returns a JSON object containing the company ID and an array of contact records.

| Field | Type | Description |
|------------|---------|--|
| status | string | "success" |
| company_id | integer | The ID of the company profile used for the query. |
| contacts | array | A list of contact objects associated with the company. |

Contact Object Fields (All in Snake_Case)

| Field | Type | Description |
|---------------------|--------|---|
| contact_id | UUID | The unique identifier for the contact record. |
| first_name | string | Contact's first name. |
| last_name | string | Contact's last name. |
| email_address | string | Contact's primary email address. |
| position | string | Contact's job title or position. |
| connected_on | date | The date the user recorded connecting with this person (YYYY-MM-DD). |
| linkedin_url | string | The LinkedIn profile URL for the contact (standardized to snake_case). |
| associated_raw_name | string | The unstandardized name used to link the contact to the company. |

Example Success Response Body

```
{
  "status": "success",
  "company_id": 101,
  "contacts": [
    {
      "contact_id": "84d7a8d5-1b4d-4e9c-b8f1-8c4d2e8b23a1",
      "first_name": "Jane",
      "last_name": "Doe",
      "email_address": "jane.doe@example.com",
      "position": "Product Manager",
      "connected_on": "2024-05-15",
      "linkedin_url": "[https://www.linkedin.com/in/janedoe](https://www.linkedin.com/in/janedoe)",
    }
  ]
}
```

```

    "associated_raw_name": "Example Corp"
},
{
  "contact_id": "77f3e1b0-2c7a-4f5d-9b0d-1e0f3c5b8a6f",
  "first_name": "Robert",
  "last_name": "Smith",
  "email_address": "robert.smith@acme.com",
  "position": "Recruiter",
  "connected_on": "2024-06-01",
  "linkedin_url": "[https://www.linkedin.com/in/robertsmithrec](https://www.linkedin.com/in/robertsmithrec)",
  "associated_raw_name": "Acme, Inc."
}
]
}

```

Error Responses

| HTTP Status Code | Description | Response Body (JSON Example) |
|---------------------------|--|---|
| 400 Bad Request | Invalid company ID format (e.g., non-integer). | {"status": "error", "message": "Invalid company ID format."} |
| 401 Unauthorized | Missing or invalid authentication token. | {"status": "error", "message": "Authentication required."} |
| 500 Internal Server Error | A general server or database error occurred. | {"status": "error", "message": "Database error retrieving contacts: N/A"} |

Example cURL Command

```
# Example cURL command to retrieve all contacts for company profile ID 101
```

```
curl -X GET http://localhost:8000/api/companies/101/contacts \
-H "Authorization: Bearer MOCK_TOKEN"
```

API Endpoint 14.0: Sidebar Summary

14.0 GET /api/sidebar

This endpoint retrieves a concise, minimal list of all standardized **Company Profiles**. The data provided is intentionally limited to facilitate quick loading of client-side UI elements, such as a company navigation sidebar or a quick-select dropdown.

The list is sorted alphabetically by the clean company name.

Specification

| Detail | Specification |
|-------------------------|---|
| Method | GET |
| URL | /api/sidebar |
| Authentication | Mandatory (Requires Bearer Token) |
| Query Parameters | None |
| Returns | JSON object containing a list of company summary objects. |

Request Example (cURL)

The request requires the Authorization: Bearer header.

```
curl -X GET "[http://192.168.56.4/api/sidebar](http://192.168.56.4/api/sidebar)" \
-H "Authorization: Bearer MOCK_TOKEN"
```

Success Response (Status 200 OK)

The response provides only the company_id, the clean name, and the is_target flag for filtering/coloring in the UI.

```
{
  "status": "success",
  "companies": [
    {
      "company_id": 101,
```

```

    "company_name_clean": "Adobe",
    "is_target": false
},
{
    "company_id": 205,
    "company_name_clean": "Amazon",
    "is_target": true
},
{
    "company_id": 310,
    "company_name_clean": "Google",
    "is_target": true
},
{
    "company_id": 402,
    "company_name_clean": "Meta Platforms, Inc.",
    "is_target": false
}
]
}

```

Response Fields

| Field Name | Type | Description |
|--------------------|---------|---|
| company_id | Integer | The unique ID of the clean company profile. |
| company_name_clean | String | The standardized name used for display. |
| is_target | Boolean | Maps to the target_interest column. true if this company is a high-priority target. |

Error Response

| Status Code | Example Error Message |
|-------------|-----------------------|
|-------------|-----------------------|

| | |
|----------------------------------|---|
| 401 Unauthorized | Authentication required. |
| 500 Internal Server Error | Database error retrieving sidebar data. |

API Endpoint 15.0: Unmapped Company Names List

This endpoint is used in the Company Name Standardization workflow. It retrieves a comprehensive list of all company names entered by users that have **not yet** been successfully mapped (standardized) to a canonical Company Profile ID. This list provides the necessary database ID (raw_name_id) to perform subsequent standardization actions (Endpoints 6.0, 7.0, and 8.0).

Specification

| Detail | Specification |
|------------------------------|---|
| Method | GET |
| URL | /api/unmapped_list |
| Authentication | Mandatory (Requires Bearer Token) |
| Path/Query Parameters | None |
| Returns | JSON object containing an array of unmapped company name objects. |

Request Example (cURL)

This request retrieves the full list of raw company names pending standardization.

```
curl -X GET "[http://192.168.56.4/api/unmapped_list](http://192.168.56.4/api/unmapped_list)" \
-H "Authorization: Bearer MOCK_TOKEN"
```

Success Response (Status 200 OK)

The response body contains the list of unmapped names. Each item in the raw_names array is an object that includes the raw_name_id—the unique identifier needed for all mapping operations.

```
{  
  "status": "success",  
  "raw_names": [  
    {  
      "raw_name_id": 1001,  
      "raw_name": "googel inc"  
    },  
    {  
      "raw_name_id": 1002,  
      "raw_name": "A-C-M-E-CORP"  
    },  
    {  
      "raw_name_id": 1003,  
      "raw_name": "The WALtmAn Co"  
    }  
  ]  
}
```

Response Fields

| Field Name | Type | Description |
|--------------------|------------------|---|
| status | String | Always "success". |
| raw_names | Array of Objects | The list of companies pending standardization. |
| raw_name_id | Integer | The unique primary key used to identify this unmapped name in the company_name_mapping table. Crucial for all standardization API calls. |
| raw_name | String | The original, unstandardized company name (e.g., "googel"). |

15.0 GET /api/unmapped_list (Retrieve Unmapped List)

Specification Changes

| Detail | Old Value (Assumed) | New Value (Actual) |
|------------------|----------------------------|---|
| raw_name_id Type | Integer | String (Contains the raw_name string) |
| Data Source | company_name_mapping table | contacts table (LEFT JOIN to find unmapped names) |

Request Example (cURL)

This command retrieves the list of raw company names currently pending standardization.

```
curl -X GET "http://192.168.56.4/api/unmapped_list" \
-H "Authorization: Bearer MOCK_TOKEN"
```

Success Response (Status 200 OK)

The array contains the unmapped raw name twice: once as the user-facing name, and once as the key used for mapping (aliased as raw_name_id).

```
{
  "status": "success",
  "raw_names": [
    {
      "raw_name_id": "googel inc",
      "raw_name": "googel inc"
    },
    {
      "raw_name_id": "A-C-M-E-CORP",
      "raw_name": "A-C-M-E-CORP"
    }
    // ... more unmapped entries
  ]
}
```

A. Job Title Endpoints ()

These endpoints manage standardized job titles.

A.0 GET /api/job_titles (Retrieve All Titles) - NOT IMPLEMENTED

Retrieves all standardized job titles currently stored in the system.

| Detail | Specification |
|---------|---|
| Method | GET |
| URL | /api/job_titles |
| Returns | Structured JSON Object: {"status": "success", "job_titles": [...]} |

B.0 GET /api/job_titles/int:title_id (Retrieve Single Title) - NOT IMPLEMENTED

Retrieves a single job title record by its ID (Inferred Standard).

C.0 POST/PUT/DELETE /api/job_titles/int:title_id (CRUD) - NOT IMPLEMENTED

Standard CRUD operations for job titles (Inferred Standard).

5. Standard Response Schemas

Successful List Response (Status 200 OK)

All successful API calls returning a list of resources use this structured wrapper.

```
{  
  "status": "success",  
  "[resource_name]s": [ /* array of objects */ ]  
}
```

Successful Creation Response (Status 201 Created)

| Field Name | Type | Description |
|------------|------|-------------|
| | | |

| | | |
|-------------------------------------|--------------|--|
| status | String | Always "success". |
| message | String | Human-readable confirmation. |
| document_id / application_id | UUID/Integer | The unique ID of the newly created resource. |

Error Response Schema (All Failures)

All error responses return a JSON object for reliable client-side error handling.

| Status Code | Example Error Message | Client-Side Interpretation |
|-------------------------|--|---|
| 400 Bad Request | Missing required field: document_type_code | Client-side payload issue. |
| 401 Unauthorized | Authentication required. | User session is missing or invalid. |
| 404 Not Found | File not found or unauthorized access. | Resource not found or ownership check failed. |

API Endpoint 16.0: Company Profile Search

This endpoint provides real-time search suggestions for existing, **standardized company profiles** in the companies table. It is primarily used during the "Map to Existing Clean Profile" standardization workflow.

Endpoint Details

| Detail | Specification |
|-----------------------|--|
| Method | GET |
| URL | /api/search/company |
| Authentication | Mandatory (Requires Authorization: Bearer [TOKEN] header) |

| | |
|----------------------|---|
| Search Target | The company_name_clean column in the companies table. |
| Result Limit | Maximum of 10 suggestions. |

Request Parameters

This endpoint requires one query parameter.

| Parameter | Type | Required | Description |
|--------------|--------|----------|--|
| query | string | Yes | The search term provided by the user. Must be at least 2 characters long. |

Success Response (HTTP 200 OK)

The response returns a list of matching clean company profiles, sorted by relevance: **Exact Match > Prefix Match > Contains Match**.

Schema

```
{
  "status": "success",
  "companies": [
    {
      "company_id": "101",
      "company_name_clean": "Google"
    },
    {
      "company_id": "102",
      "company_name_clean": "Google Cloud"
    },
    // ... up to 10 results
  ]
}
```

Error Responses

| HTTP Status Code | Response Body Schema | Description |
|----------------------------------|---|---|
| 401 Unauthorized | {"status": "error", "message": "Authentication required or invalid token."} | Missing or invalid authentication token. |
| 400 Bad Request | {"status": "error", "message": "Query must be at least 2 characters long."} | The query parameter was missing or shorter than 2 characters. |
| 500 Internal Server Error | {"status": "error", "message": "...”} | General server or database error. |

cURL Example

This example demonstrates searching for companies that match "micros". The placeholder [YOUR_AUTH_TOKEN] should be replaced with a valid Bearer token.

```
curl -X GET \
"http://localhost:5000/api/search/company?query=micros" \
-H "accept: application/json" \
-H "Authorization: Bearer [YOUR_AUTH_TOKEN]"
```

Example Output (Expected)

```
{
  "status": "success",
  "companies": [
    {
      "company_id": "1005",
      "company_name_clean": "Microsoft"
    },
    {
      "company_id": "1006",
      "company_name_clean": "Microsoft Azure"
    },
    {
      "company_id": "1010",
      "company_name_clean": "Micro Solutions Group"
    }
  ]
}
```

```
        }  
    ]  
}
```

API 17.0 POST /api/companies (Create New Company Profile)

This endpoint is used to create a new standardized company profile record in the companies table. It returns the ID of the newly created company.

Endpoint Specification

| Detail | Specification |
|-----------------------|--|
| Method | POST |
| URL | /api/companies |
| Authentication | Mandatory (Authorization: Bearer [TOKEN]) |
| Purpose | Create a new standardized company profile. |
| Database Table | companies |

Request Body

The request body contains the data for the new company profile. All fields except company_name_clean are optional.

| Field (JSON Key) | Type | Required | Description | Database Column |
|--------------------|--------|----------|---|--------------------|
| company_name_clean | string | Yes | The official, standardized name of the company. | company_name_clean |
| headquarters | string | No | The primary location of the | headquarters |

| | | | | |
|----------------|---------------------|----|--|-----------------|
| | | | company. | |
| size_employees | integer | No | The number of employees. | size_employees |
| annual_revenue | numeric | No | The annual revenue figure. | annual_revenue |
| revenue_scale | string (e.g., M, B) | No | The scale of the revenue (e.g., Millions, Billions). | revenue_scale |
| notes | text | No | Internal notes about the company. | notes |
| is_target | boolean | No | Flag indicating if this company is a current target (Default: false). Backend maps this field to the target_interest column. | target_interest |
| website_url | string | No | Note: This field is accepted in the JSON but is ignored as it is not present in the current companies table schema. | N/A |

Success Response (HTTP 201 Created)

{

```
        "status": "success",
        "message": "Company profile created successfully.",
        "company_id": 12345
    }
```

Example cURL Command

This command demonstrates creating a new company profile with several optional fields.

```
curl -X POST http://localhost:8000/api/companies \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer MOCK_TOKEN' \
--data-raw '{
    "company_name_clean": "Innovatech Solutions Inc.",
    "headquarters": "Seattle, WA",
    "size_employees": 550,
    "annual_revenue": 85.5,
    "revenue_scale": "M",
    "notes": "High-growth prospect in the cloud sector.",
    "is_target": true
}'
```

API 18.0 DELETE **/api/companies/{company_id} (Soft Delete Company Profile)**

This endpoint performs a soft deletion of a standardized company profile. It removes the record from the companies table while preserving related historical data (raw names and applications) by nullifying the foreign key references. This ensures that raw data remains available for future re-standardization or analysis.

Endpoint Specification

| Detail | Specification |
|---------------|-----------------------------|
| Method | DELETE |
| URL | /api/companies/{company_id} |

| | |
|-----------------------|--|
| Authentication | Mandatory (Authorization: Bearer [TOKEN]) |
| Purpose | Deletes the standardized company profile and nullifies its foreign key links in other tables. |

Database Actions

This operation must be performed as a single transaction to ensure data integrity:

1. **UPDATE company_name_mapping**: Set company_id to NULL for all rows linked to the deleted company ID.
2. **UPDATE applications**: Set company_id to NULL for all rows linked to the deleted company ID.
3. **DELETE** row from the **companies** table where company_id matches the path parameter.

Success Response (HTTP 204 No Content)

A successful operation returns an **HTTP 204 No Content** status. No response body is provided, as the action's success is defined by the status code.

| Detail | Specification |
|-------------------------|--|
| HTTP Status Code | 204 (No Content) |
| Response Body | None |
| Description | The company profile was deleted, and linked company_name_mapping and applications records were successfully disassociated (nullified). |

Error Responses

| HTTP Status Code | Description | Response Body (JSON Example) |
|-------------------------|--|--|
| 401 Unauthorized | Missing or invalid authentication token. | {"status": "error", "message": "Authentication required."} |

| | | |
|----------------------------------|---|---|
| 404 Not Found | The specified company_id does not exist in the database. | {"status": "error", "message": "Company profile 1015 not found or already deleted."} |
| 500 Internal Server Error | A database or general server error occurred during the soft deletion process. | {"status": "error", "message": "An unexpected error occurred during profile disassociation."} |

Example cURL Command

This command demonstrates soft deleting the company profile with ID 1015.

```
curl -X DELETE \
http://localhost:8000/api/companies/1015 \
-H "Authorization: Bearer MOCK_TOKEN"
```

19.0 PUT /api/applications/{application_id} (Update Application)

This endpoint allows a user to modify the details of an existing job application. The update process ensures that modifications to the **Company Name** and **Job Title** are standardized by referencing or creating records in the companies and job_titles tables, respectively.

Specification

| Detail | Specification |
|-----------------------|---|
| Method | PUT |
| URL | /api/applications/{application_id} |
| URL Parameter | application_id (UUID) - The unique ID of the application to update. |
| Authentication | Mandatory (Requires ownership of the application) |

| | |
|----------------|--|
| Purpose | Update one or more fields of an existing application record. |
|----------------|--|

Request Body (JSON)

The request body should contain the fields you wish to update. **All fields are optional** when updating, but at least one valid field must be present.

| Field | Type | Required | Description |
|--------------------|--------|----------|---|
| company_name_clean | string | No | The standardized company name. The system will look up the corresponding company_id and update the application's link. |
| title_name | string | No | The job title. The system will look up the corresponding job_title_id. If the title doesn't exist, a new one will be created. |
| date_applied | string | No | The date the application was submitted, in YYYY-MM-DD format. |
| current_status | string | No | The current status (e.g., 'APPLIED', 'INTERVIEW', 'OFFER', 'REJECTED'). |

Example Request Body:

```
{
```

```

    "current_status": "INTERVIEW",
    "date_applied": "2025-11-18",
    "title_name": "Senior Software Engineer"
}

```

Example cURL Command (19.0)

Replace [APPLICATION_ID_TO_UPDATE] with an actual application UUID from your database.

```

curl -X PUT \
http://localhost:8000/api/applications/[APPLICATION_ID_TO_UPDATE] \
-H "Authorization: Bearer MOCK_TOKEN" \
-H "Content-Type: application/json" \
-d '{
    "current_status": "INTERVIEW",
    "date_applied": "2025-11-18",
    "title_name": "Senior Software Engineer (Updated Title)"
}'

```

Response

| HTTP Status Code | Description | Response Body (JSON Example) |
|------------------------|---|--|
| 200 OK | Application updated successfully, or update successful with no changes detected. | {"status": "success", "message": "Application [UUID] updated successfully."} |
| 400 Bad Request | Missing required request body, invalid date format, or no valid fields provided for update. | {"status": "error", "message": "Invalid date format for 'date_applied'. Expected YYYY-MM-DD."} |
| 404 Not Found | The specified application_id does not exist. | {"status": "error", "message": "Application [UUID] not found."} |

20.0 DELETE /api/applications/{application_id} (Delete

Application)

This endpoint **permanently deletes** a job application and all associated data in an atomic, owner-restricted transaction.

CRITICAL ACTION: File Deletion

When an application is deleted, all document records linked to that application in the job_documents table are removed, and the corresponding **physical files are permanently deleted from the disk storage system**.

Specification

| Detail | Specification |
|-----------------------|--|
| Method | DELETE |
| URL | /api/applications/{application_id} |
| URL Parameter | application_id (UUID) - The unique ID of the application to delete. |
| Authentication | Mandatory (Requires ownership of the application) |
| Purpose | Permanently delete the application, document metadata, and associated files. |

Example cURL Command (20.0)

Replace [APPLICATION_ID_TO_DELETE] with the UUID of the application you wish to remove.

```
curl -X DELETE \
http://localhost:8000/api/applications/[APPLICATION_ID_TO_DELETE] \
-H "Authorization: Bearer MOCK_TOKEN" \
-H "Content-Type: application/json"
```

Response

| HTTP Status Code | Description | Response Body (JSON Example) |
|------------------|-------------|------------------------------|
| | | |

| | | |
|-------------------------|---|--|
| 200 OK | Application, document metadata, and associated files were deleted successfully. | {"status": "success", "message": "Application [UUID] deleted successfully. X associated file(s) removed."} |
| 403 Forbidden | The application exists but is not owned by the authenticated user. | {"status": "error", "message": "Unauthorized access. This application does not belong to your account."} |
| 404 Not Found | The specified application_id does not exist. | {"status": "error", "message": "Application [UUID] not found."} |
| 500 Server Error | A failure occurred during file or database deletion (e.g., file lock). | {"status": "error", "message": "An unexpected server error occurred during deletion."} |

API 21.0: GET

/api/application/{application_id} (Retrieve Single Application)

Purpose

Retrieves all stored data for a single job application identified by its UUID. This comprehensive dataset is required for populating and loading the form fields in the frontend's Edit Mode or for displaying a detailed view of a specific application.

Endpoint Specification

| Detail | Specification |
|---------------|---------------|
| Method | GET |

| | |
|----------------------------|---|
| URL | /api/application/<application_id> |
| Authentication | Mandatory (Authorization: Bearer [TOKEN]). The authenticated user must be the owner of the application. |
| Purpose | Get all aggregated data (Application, Job Title, Company, Documents) for a specific application_id. |
| Required Parameters | Path Parameter: <application_id> (UUID) |

Database Query Logic

The implementation will use a multi-JOIN query to aggregate the application, its linked company, its job title, and any associated documents.

```
-- Conceptual Query (Implementation details will vary slightly to group documents)
SELECT
    a.*,
    c.company_name_clean,
    jt.title_name,
    jd.document_id,
    jd.document_type,
    jd.file_path,
    jd.original_filename
    -- Document Info
    (multi-row potential)
FROM applications a
LEFT JOIN companies c ON a.company_id = c.company_id
LEFT JOIN job_titles jt ON a.job_title_id = jt.job_title_id
LEFT JOIN job_documents jd ON a.application_id = jd.application_id
WHERE a.application_id = %s AND a.user_id = %s;
```

Success Response (HTTP 200 OK)

A successful request returns a JSON object containing a single, nested application record. Since the application object includes nested information from other tables (Company, Job Title, Documents), the fields are structured for ease of consumption by the frontend.

| Field | Type | Description |
|-------------|--------|---------------------------|
| status | string | "success" |
| application | object | The full application data |

| | | |
|--|--|---------|
| | | object. |
|--|--|---------|

Nested Application Object Fields

| Field | Type | Description |
|----------------|---------|---|
| application_id | UUID | The unique ID of the application. |
| user_id | UUID | The ID of the owner. |
| date_applied | date | The date of the application (YYYY-MM-DD). |
| current_status | string | The current status. |
| company_id | integer | The foreign key ID of the standardized company (can be null). |
| job_title_id | bigint | The foreign key ID of the standardized job title. |
| company_info | object | Nested object containing company details. |
| job_title_info | object | Nested object containing job title details. |
| documents | array | A list of all documents linked to this application. |

Example Success Response Body

```
{
  "status": "success",
  "application": {
    "application_id": "4e83460b-39f0-4c00-a1f4-ac41c4994cb4",
    "user_id": "d06c2b39-3d5f-4e8c-acff-8589a6383ecb",
    "date_applied": "2024-07-20",
    "current_status": "ONSITE_INTERVIEW",
    "company_id": 327,
```

```

"job_title_id": 9845,
"created_at": "2024-07-20T10:00:00Z",
"updated_at": "2024-07-25T11:30:00Z",
"company_info": {
    "company_id": 327,
    "company_name_clean": "Acme Corp"
    // Additional fields like headquarters, size_employees, etc., may be included here
},
"job_title_info": {
    "job_title_id": 9845,
    "title_name": "Senior Frontend Developer"
    // Additional standardized_title field may be included here
},
"documents": [
    {
        "document_id": "a9d1d1f0-5b7c-4e8a-b8f1-8c4d2e8b23a1",
        "document_type": "RESUME",
        "file_path": "a9d1d1f0-5b7c-4e8a-b8f1-8c4d2e8b23a1",
        "original_filename": "MyResume_v3.pdf"
    },
    {
        "document_id": "b1e2c3d4-6f8e-4a9b-c0d2-1e0f3c5b8a6f",
        "document_type": "COVER_LETTER",
        "file_path": "b1e2c3d4-6f8e-4a9b-c0d2-1e0f3c5b8a6f",
        "original_filename": "Acme_CoverLetter.docx"
    }
]
}
}

```

Error Responses

| HTTP Status Code | Description | Response Body (JSON Example) |
|------------------|---|--|
| 401 Unauthorized | Missing or invalid authentication token. | {"status": "error", "message": "Authentication required."} |
| 403 Forbidden | The user is authenticated but does not own this | {"status": "error", "message": "Access"} |

| | | |
|---------------------------|---|--|
| | application record. | denied. Application not found for this user."} |
| 404 Not Found | The specified application_id does not exist for the authenticated user. | {"status": "error", "message": "Application 4e83... not found."} |
| 500 Internal Server Error | A general server or database error occurred. | {"status": "error", "message": "Database error retrieving application details."} |

Example cURL Command

```
# Example cURL command to retrieve the application with the specific UUID
APPLICATION_ID="4e83460b-39f0-4c00-a1f4-ac41c4994cb4"
```

```
curl -X GET http://localhost:8000/api/application/${APPLICATION_ID} \
-H "Authorization: Bearer YOUR_AUTH_TOKEN_HERE"
```

API 22.0: GET /api/applications/all (Retrieve All User Applications)

Purpose

Retrieves a complete, aggregated list of all job applications belonging to the authenticated user (user_id). This endpoint efficiently combines data from the applications, job_titles, and companies tables to provide all necessary display information in a single response.

Endpoint Specification

| Detail | Specification |
|--------|-----------------------|
| Method | GET |
| URL | /api/applications/all |

| | |
|----------------------------|--|
| Authentication | Mandatory (Authorization: Bearer [TOKEN]) |
| Purpose | Get all application records for the authenticated user, sorted by date_applied descending. |
| Required Parameters | None (User is identified by the authentication token) |

Database Query Logic

The implementation will use a multi-JOIN query to fetch the application details, job title, and company name:

```

SELECT
    a.application_id,
    a.date_applied,
    a.current_status,
    jt.title_name,
    c.company_name_clean,
    c.company_id
FROM applications a
LEFT JOIN job_titles jt ON a.job_title_id = jt.job_title_id
LEFT JOIN companies c ON a.company_id = c.company_id
WHERE a.user_id = %s
ORDER BY a.date_applied DESC;

```

Success Response (HTTP 200 OK)

A successful request returns a JSON object containing an array of application records.

| Field | Type | Description |
|--------------|--------|---|
| status | string | "success" |
| applications | array | A list of aggregated application objects. |

Application Object Fields

| Field | Type | Description |
|--------------------|---------|--|
| application_id | UUID | The unique identifier for the application. |
| date_applied | date | The date the application was submitted (YYYY-MM-DD). |
| current_status | string | The current status of the application (e.g., 'SUBMITTED', 'INTERVIEW', 'OFFER'). |
| title_name | string | The name of the job title (e.g., "Software Engineer II"). |
| company_name_clean | string | The standardized company name (e.g., "Google"). |
| company_id | integer | The ID of the standardized company profile. (Can be null if not standardized). |

Example Success Response Body

```
{
  "status": "success",
  "applications": [
    {
      "application_id": "84d7a8d5-1b4d-4e9c-b8f1-8c4d2e8b23a1",
      "date_applied": "2024-06-10",
      "current_status": "INTERVIEW",
      "title_name": "Lead Frontend Architect",
      "company_name_clean": "Global Tech Innovations",
      "company_id": 451
    },
    {
      "application_id": "77f3e1b0-2c7a-4f5d-9b0d-1e0f3c5b8a6f",
      "date_applied": "2024-05-15",
      "current_status": "SUBMITTED",
    }
  ]
}
```

```

        "title_name": "Data Scientist",
        "company_name_clean": "DataPro Analytics",
        "company_id": 102
    }
]
}

```

Error Responses

| HTTP Status Code | Description | Response Body (JSON Example) |
|---------------------------|--|---|
| 401 Unauthorized | Missing or invalid authentication token. | {"status": "error", "message": "Authentication required."} |
| 500 Internal Server Error | A general server or database error occurred. | {"status": "error", "message": "Database error retrieving applications: N/A"} |

Example cURL Command

Example cURL command to retrieve all applications for the authenticated user

```
curl -X GET http://localhost:8000/api/applications/all \
-H "Authorization: Bearer YOUR_AUTH_TOKEN_HERE"
```

6. Version Control

| Version | Date | Changes |
|---------|------------|---|
| 1.0.0 | 2025-10-25 | Initial documentation for Company Profiles (1.0, 2.0) |

| | | |
|--------|------------|---|
| | | and Application creation (10.0). |
| 1.1.0 | 2025-10-27 | Added Document Upload (9.0) and Download (12.0) endpoints. |
| 1.2.0 | 2025-10-30 | MAJOR RE-INDEXING and CRITICAL FIELD FIXES. Confirmed correct fields for 9.0 and applied universal response wrappers for all list endpoints. |
| 1.2.1 | 2025-10-30 | Detail Fix: Restored full CRUD specification for Endpoint 8.0 (GET, PUT, DELETE for single application UUID). |
| 1.2.2 | 2025-10-30 | Documentation Fix: Updated Request Body Fields table for Endpoint 9.0 to correctly list document and document_type_code for 100% contract compliance. |
| 1.2.7 | 2025-11-06 | Add new endpoint 14 |
| 1.2.8 | 2025-11-06 | Rebuilt endpoint 5 and documented. |
| 1.2.9 | 2025-11-06 | Enriched documentation for Endpoint 10 |
| 1.2.10 | 2025-11-06 | Enriched Documentation for Endpoint 7, 8, 9 |
| 1.2.11 | 2025-11-06 | Added Documentation for endpoint 15 |

| | | |
|--------|------------|---|
| 1.2.12 | 2025-11-17 | Added Documentation for Endpoint 16 |
| 1.2.13 | 2025-11-18 | Added Documentation for Endpoint 17,18 |
| 1.2.14 | 2025-11-18 | Added Documentation for Endpoint 19,20 |
| 1.2.15 | 2025-11-25 | Corrected documentation for endpoint 13 to include linkedin_url. Added Endpoint 21,22 |