Guide

🎯Main flow: *Automating QA Job from Staff.am and sending to configured email*

Objective

Automatically retrieve and filter job announcements from staff.am, extract relevant Quality Assurance positions, and email the filtered data daily to a configured recipient.

✅ Steps

1. **Navigate to staff.am Jobs Page**
   Access the job listings on staff.am.

2. **Filter by Category and Level(optional)**
   Apply a filter to show only:

   - **Category**: *Quality Assurance*
   - **Level**: *(Optional filter, e.g., Junior/Mid/Senior)*

3. **Extract Job Data**
   From the filtered results, extract:

   - Job Title
   - Company Name
   - Job URL

4. **Send Email Notification**
   Format the data in a readable email and send it to a pre-configured recipient.

5. **Schedule Daily Automation**
   Automate the script using a scheduler (Windows Task Scheduler) to run and send the email every day.

🛠️ Technical Solution

✅ **You will need to implement 3 requests:**

1. **GET Filtered Job Listings (from staff.am)**
    - Use a request to fetch job listings with `Quality Assurance` filter.

2. **GET Dynamic `buildID`**
    - staff.am generates dynamic `buildId`, needed for scraping or accessing JSON data behind the scenes.

3. **SEND Email**
    - Register to Mailgun, create api and using domain and api send QA positions to configured emails.:

Your step by step actions

🔹 Step 1: Get the Dynamic Endpoint for Job Filtering from https://staff.am

1. Open the website → Go to **Jobs** → Select category (e.g. **Quality Assurance / Control**)
2. Open browser **Dev Tools > Network** tab.
3. Refresh or interact with filters. Look for a request like:
   `/_next/data/[buildId]/en/jobs.json?category=2...`
4. Copy the full URL. This is the dynamic API endpoint for filtered job listings.
5. Go to Postman and create collection
6. Add first request with this endpoint
7. Configure it and get data
8. Parse the JSON response to extract `job.title.en`, `job.companiesStruct.title.en`. and `url`

🔹 Step 2: Get the Dynamic Build ID

1. Get URL when filtering jobs

   URL: `https://staff.am/en/jobs?category=2&key_word=&sort_by=0`

2. Inspect this page's HTML to extract the dynamic `buildId(need to use rex. ex.)`
3. Save `buildId` in variable, which will be used by 1st request(getting filtered jobs)

🔹 Step 3: Sign Up Mailgun user and send Job Data via Email

🔗 Mailgun Registration

1. Sign up and verify your email.
2. Login to the Mailgun
3. Go to your **Get Started tab**
4. Create an **API Key**
5. Copy **API Key**
6. Navigate to Postman and use the Mailgun API `https://api.mailgun.net/v3/[your-domain]/messages` to send the email.
7. For Authorization use
   - **username**: api
   - **password**: api key

8. Add authorized recipients:
    - Navigate in Mailgun:
      `Send > Sending > Domains > [Your Sandbox Domain] > Domain Settings >Setup-> Authorized Recipients`
    - Add the emails you want to send to and verify them via confirmation link.

9. In Postman format job data into a nice text message(pre-request script), configure body **from, to, subject** and **text.**

10. Send the Post request

🔹 Step 4: Install and Run Collection with Newman

1. Install **Node.js**
2. Install Newman globally: `npm install -g newman`
3. Export your collection from Postman (`collection.json`)
4. Run the collection: `newman run collection.json`
5. Save the run command into a `.bat` file (e.g. `run_newman.bat`) for reuse

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🔹 Step 5: Create Task Scheduler

1. Open **Windows Task Scheduler**.
2. Create a new basic task:
    - Trigger: Set your schedule (e.g., every Monday at 9:00 AM).
    - Action: Browse and select your `.bat` file (`run_newman.bat`).
3. Save the task — your job-fetching and email process is now automated!