Problem Statement

This challenge aims to create a Resume Builder API that uses the Adobe Document Generation API to dynamically create PDF resumes from DOCX based templates.

Description

A Resume Builder API is a tool that allows users to create professional resumes quickly and easily. The API uses pre-built templates and dynamically generates the resume content based on the user's input data, such as personal information, skills, experiences, and education. This reduces the manual effort required to create and format a resume.

Prerequisites

1. You'll need to sign up for an Adobe PDF Services account if you haven't already. https://developer.adobe.com/document-services/apis/doc-generation/ has instructions on how to get started with the free trial. Please note that you will get 1000 free transactions with free credentials, which shall be enough for this exercise. But in case the credentials expire, please create one more credential using another personal email address.
2. There are multiple SDKs available for Document Generation API in Java, NodeJS and .NET https://developer.adobe.com/document-services/docs/overview/document-generation-api/quickstarts/. You are highly recommended to write your program in one of these languages using the SDK. But in case you want to use a different runtime for which SDK does not exist, feel free to do so but in this case, you will need to create the API request on your own following the documentation available here https://developer.adobe.com/document-services/docs/apis/#tag/Document-Generation

Objectives

1. **Resume Builder API**: You will create an API that uses provided resume templates and other information to create resumes. The API will pass the template and report to the Adobe Document Generation API to generate a merged document.
   - API specification
   - Sample Curl request
2. **Resume Builder UI** (optional): You will create a user-friendly UI that allows users to generate resumes. The workflow is as follows:
   - The user will choose one of the resume templates.
   - The user will input personal information, such as skills and education, to add to the template.
   - The user will click the submit button after providing all the details.
   - The final resume will be generated on the click of the submit button.

Evaluation Criteria

1. The code should be well-organized, modularized, and follow basic coding principles.
2. It should also be well-tested, with as many unit tests as possible.
3. The code should also be well-documented, with a README file that includes instructions for setting up and using the API.
4. **The main component of the evaluation will be the Resume Builder API, but you will receive bonus points for creating the UI component.**