Software Engineer Intern - Technical Assessment

Introduction

Welcome to the technical assessment. This test is designed to evaluate your ability to handle real-world problems through documentation analysis, system design, coding, and reflection on the process. Once you complete the steps below, please upload your work to a shared drive like Google Drive and GitHub for code, and then email the links to recruitment@docuville.ai, and we will review and revert. Please make sure to provide your LinkedIn profile link in your email with subject *'YourName* - Intern Tech Assessment Submission'

Step 1: Document Capture Coding Prototype

You are required to capture key information from one of the following important documents: a passport or a driver's license. Ensure that you identify and extract these three details from the document - name, document number and expiration date. You can use any publicly available open-source libraries or development tools and APIs to extract this information. *Please do not use real documents and use any publicly available documents from the internet.*

You can use your favorite programming language; however, we prefer either TypeScript/JavaScript or Python/NodeJs for the Backend and ReactJs for the front-end development work. The code should implement core functionalities such as document data extraction and basic validation. Please ensure that your code follows best practices.

Step 2: Screenshots of Working Version

Please include screenshots of your code running or provide a code link to a working version of your prototype. Additionally, you are welcome to upload a video (YouTube or any other tool) explaining your work. Otherwise, frontend developers can demo the UI work, and backend developers can demo the code execution using command line tools or your local development tools or IDE. Full-stack developers can demo end-to-end if possible. And as mentioned in the introduction, upload your work to a Google Shared Drive and Github for code, and then email the links to recruitment@docuville.ai, and we will review and revert. Please make sure to provide your LinkedIn profile link in your email with subject *'YourName* - Intern Tech Assessment Submission'

Step 3: Feedback and Opportunities for Iteration

In this final step, please briefly summarize your experience with the exercise. Share how you feel about the challenge, what you enjoyed, and any difficulties you encountered.