AI-Generated Integration Builder

Introduction

CloudEagle wants to dramatically simplify how customers integrate with SaaS applications. Today, integrations require engineering work because each application has its own APIs, authentication model, rate limits, and data structures.

Details

We want to use AI to generate the integration code for any application using its API documentation.

E.g. I can point to calendly API doc
https://developer.calendly.com/api-docs/4b402d5ab3edd-calendly-developer

And then ask it to generate the code to get:

- API client

- Auth setup

- Code to retrieve users and usage data

- Error handling

- Pagination

- Logging

Deliverables

1. Can you generate the figma on how this will look?
2. What are some of the safe guards one needs to put in here - essentially we are asking customers to be developers - so should we ask them to run it on a sandbox first and then run on prod
3. Can you create a prototype - what AI model will you use?

Java Interview Assignment

Build a Spring Boot application that pulls user data from multiple third-party systems.

Requirements

- Support fetching users from **multiple external systems** (Calendly,Dropbox etc.).
- **API endpoints and user field mappings must be dynamic/configurable**, allowing changes without redeploying the application.All API URLs and request details should be stored in a database.
- Use **one generic method** to call any external API (e.g list of users) and parse the response.
- Store all fetched users in a **temporary collection/table**
- **Implement the above for Calendly app.**