Invoice Reminder and Follow-up Automation with Zapier Integration

About the Company:

TensorGo Technologies is an enterprise-grade low code PaaS company for computer vision products. The platform enables users to build the most complex ML/DL applications in an easier manner by integrating our APIs. We custom build State-Of-The-Art neural networks to solve the most challenging problems in the world. We are shaping a smarter tomorrow through our deep learning, computer vision-powered products.

Our fundamental goal is to help companies scale up their businesses, improve their processes, bring down costs and enhance their customer engagement most efficiently. With our powerful and enterprise-ready solutions years ahead in the game, we make the future happen at TensorGo.

Gartner Inc. has recognized TensorGo as a Cool Vendor in The **Cool Vendor in AI for Computer Vision - 2022**. We also won the accolade for the **Best Overall Pitch** in the prestigious **Oracle APAC Startup Idol 2022.**

Visit us at: https://tensorgo.com for more information. The TensorGo team wishes you Good Luck!

Description:

Your task is to develop a system that allows users to log in using Google OAuth, view the details of due invoices in a SaaS platform, and automate the process of sending past-due invoice reminders and follow-up sequences. The system should integrate with Zapier to trigger automation actions. This assignment assesses your ability to integrate third-party services, implement OAuth authentication, and design a microservices architecture.

Requirements:

Backend Microservice (Node.js):

Implement a Node.js backend microservice that provides the following API endpoints:

- User authentication: Enable users to log in using Google OAuth.
- Invoice details: Allow users to view details of their due invoices, including the invoice amount, due date, and recipient information.
- Integration with Zapier: Create endpoints to trigger automation actions in response to past-due invoices.
- Integrate with Zapier to automate past-due invoice reminders and follow-up sequences. Set up workflows in Zapier to send email reminders and follow-up notifications based on past-due invoice data.

Frontend (React):

Develop a React frontend that includes the following features:

- Google OAuth integration: Implement a user interface for users to log in using their Google accounts.
- Invoice details: Display a list of due invoices with relevant details.
- Trigger automation: Provide a button or option for users to manually trigger the automation process using Zapier.

Integration with Zapier:
Integrate with Zapier for automation. Ensure that the frontend effectively communicates with the backend and that automation actions are triggered when past-due invoices are identified.

Additional Features (Optional):
For bonus points, you can add extra features such as scheduling automation actions, customizing email templates, or tracking the status of reminders and follow-ups.

Submission:
- Provide a GitHub repository with your code for both the frontend and backend components.
- Include clear instructions on setting up and running your application.
- Demonstrate the end-to-end flow, including Google OAuth login, viewing due invoices, and triggering automation actions through Zapier.

This assignment assesses your ability to integrate third-party services, implement OAuth authentication, and design a microservices architecture. It also evaluates your skills in leveraging automation tools like Zapier to enhance the functionality of the SaaS platform.