

# Project Progress Note: Audio-to-Transcript Search Tool

April 23, 2025

## Overview

This document outlines the current status and upcoming development responsibilities for our web application that processes audio input, transcribes it, and returns relevant web search results.

## In Progress

- **Flask Backend Development**

- Creating Flask equivalents of the existing FastAPI endpoints:
  - \* /upload-audio
  - \* /status/{jobId}
  - \* /search
- Setting up Google Cloud integrations: Storage, Pub/Sub, and Firestore.
- Ensuring worker compatibility with Flask-based background execution.

- **React Frontend Skeleton**

- Initializing a Create React App or Vite project with TailwindCSS.
- Building core components: upload interface, status indicator, and results viewer.
- Wiring frontend to Flask backend endpoints.
- Preparing for deployment via Vercel or Cloud Run frontend container.

## Next Steps

- Complete Flask API conversion and testing.
- Finalize and publish React frontend structure for the team.
- Continue monitoring Pub/Sub worker performance with real input data.