

TaskLens



AI Productivity Coach for Remote Workers

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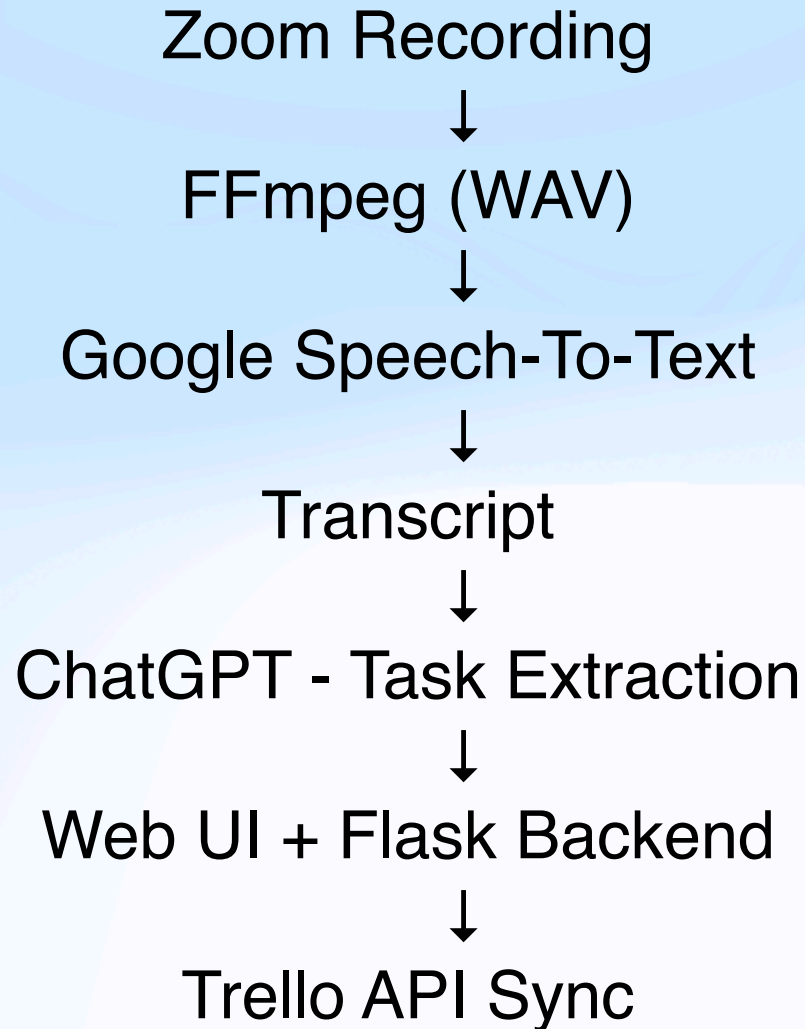
Target Market: Remote Workers, Distributed Teams, Managers

Value Proposition: AI task extraction + scheduling for distributed teams

Features & Workflow

- Host Zoom meeting → Record (local/cloud)
- Process recording using FFmpeg → convert to .wav
- Transcribe speech using Google Speech-to-Text
- Parse transcript into tasks using ChatGPT
- Display structured tasks in UI (with editable fields)
- Push all tasks to Trello board, grouped by status

System Architecture



Implementation Changes

Jitsi + Puppeteer + BlackHole → Zoom

- Jitsi had too many limitations (echo, clunkier, extra subscription)
- Switched to Zoom for stable recording & usability

NLTK → ChatGPT

Initially planned rule-based NLP (NLTK)

Switched to ChatGPT for better intent recognition & flexibility

Firebase Skipped

- Originally considered for transcript/task storage
- Unnecessary for MVP — Trello serves as live destination

Demo & GitHub

Demo Flow:

Record → Transcribe → Extract → Edit → Push to Trello

Demo Video: <https://drive.google.com/file/d/10DnkgR0nSVfvLLCNsNCA9JpjH7mYhIrH/view?usp=sharing>

GitHub Repo: <https://github.com/SLTx999/TaskLens>

Includes:

- Source code
- README with sample inputs/outputs
- Slide deck PDF (with link to demo video above)

Conclusion

TaskLens streamlines the post-meeting process by turning conversation into action.

The system demonstrates:

- Feasibility of speech-driven task automation
- Integration across APIs (Zoom, Google, OpenAI, Trello)
- Clean UI and working end-to-end prototype

Thanks for watching!

Questions?