



TalkToText Pro

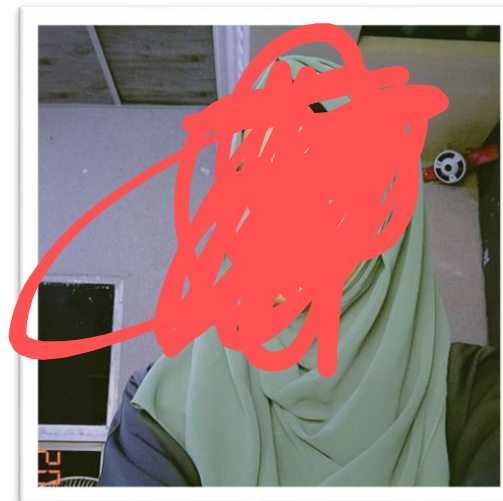
Team Members



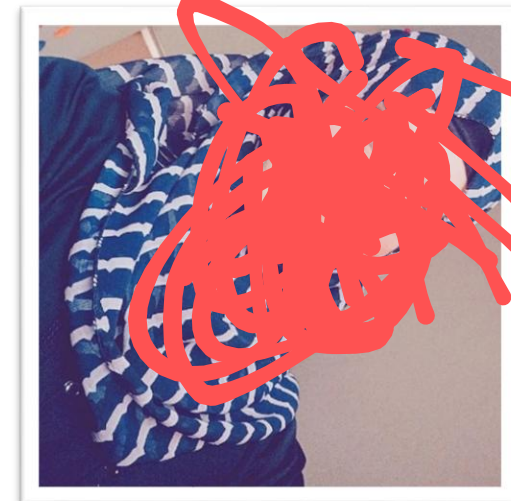
Sarah Pervaiz



Muhammad Akhtar

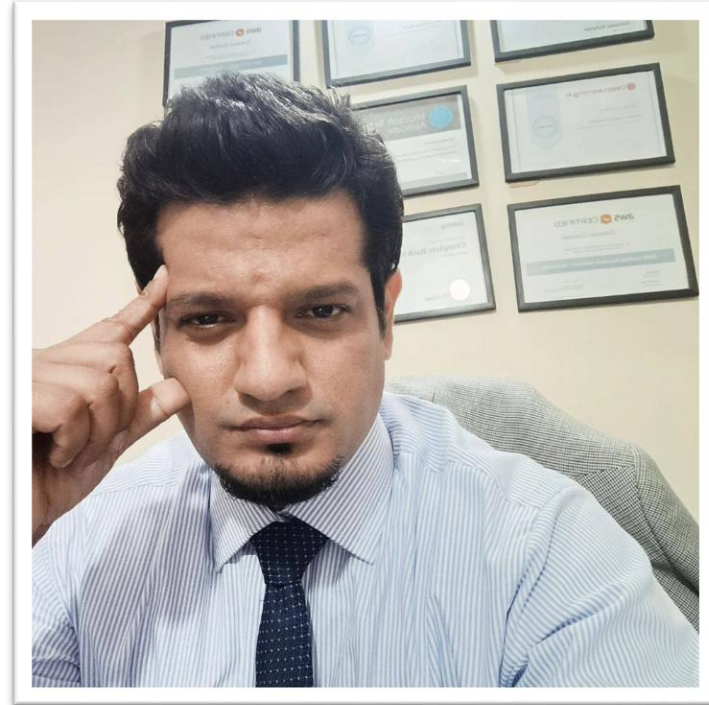


Kanzul Eman



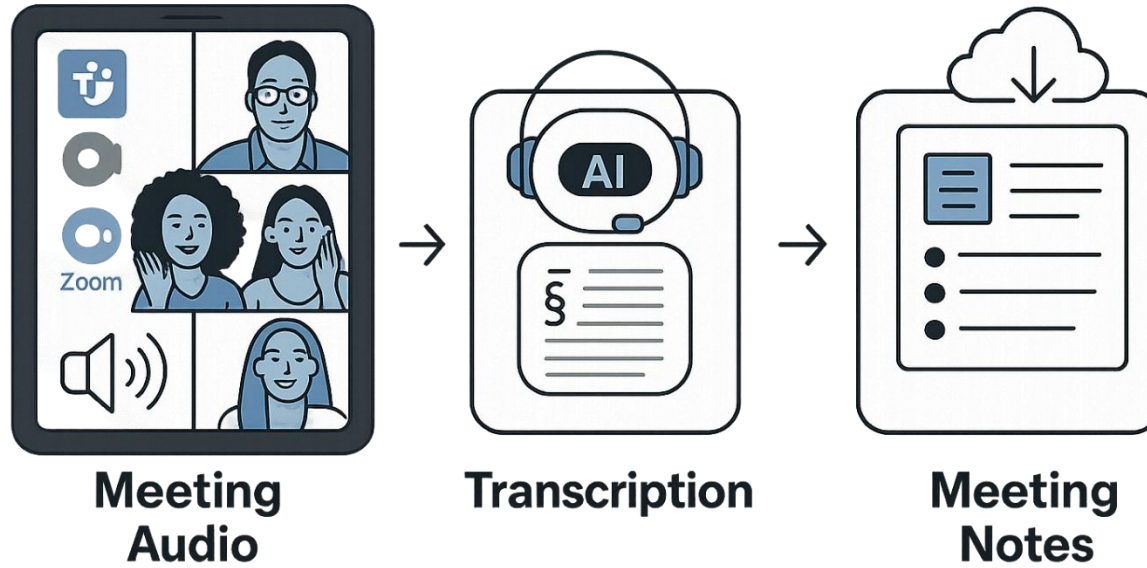
Rabia Nadeem

Project Technical Mentor



Gulraeez Gulshan

Introduction



(SRS) Project Requirements

Functional Requirement

1. 🎤 **Audio Input UI** – Upload .mp3, .wav, .mp4 or meeting links (Teams, Google Meet)
2. 🌐 **Language Selection** – Choose original audio language
3. 🗣️ **Speech-to-Text** – AI-based transcription
4. 🔄 **Translation** – Auto-translate to English if needed
5. ✂️ **Text Optimization** – Clean text, remove fillers, manage token limits
6. 📝 **Meeting Notes (OpenAI)** – Generate summary, key points, decisions, action items, sentiment
7. 📄 **Display Output** – Show notes in structured format
8. ⬇️ **Download & Export** – Save as PDF/Word or share via email/integrations
9. 🗄️ **Data Storage** – Store transcripts, translations, notes in DB
10. 📖 **History** – Retrieve past meeting notes
11. 📊 **Progress Tracking UI** – Show real-time status for each step

Non - Functional Requirement

1. ⚡ Performance – Process 30-min meeting into notes within 1–2 minutes
2. 🛡️ Secure – Store data safely with access restrictions
3. 🎯 Accuracy – 85–90% transcription & summarization accuracy (good audio)
4. 📈 Scalable – Handle multiple meetings simultaneously
5. 📱 Usable – Simple, intuitive, and mobile-responsive UI

Our Tech-stack



Next.JS

Full stack
Framework



Authentication
& User
Management



Styling and Layout



shadcn-ui

Prebuilt UI
Components



React Query

Data fetching &
Caching



mongoDB®

Cloud
Database



Audio/Video
File Storage



NodeJS Worker
Deployment



AI Models
(Audio & Text)

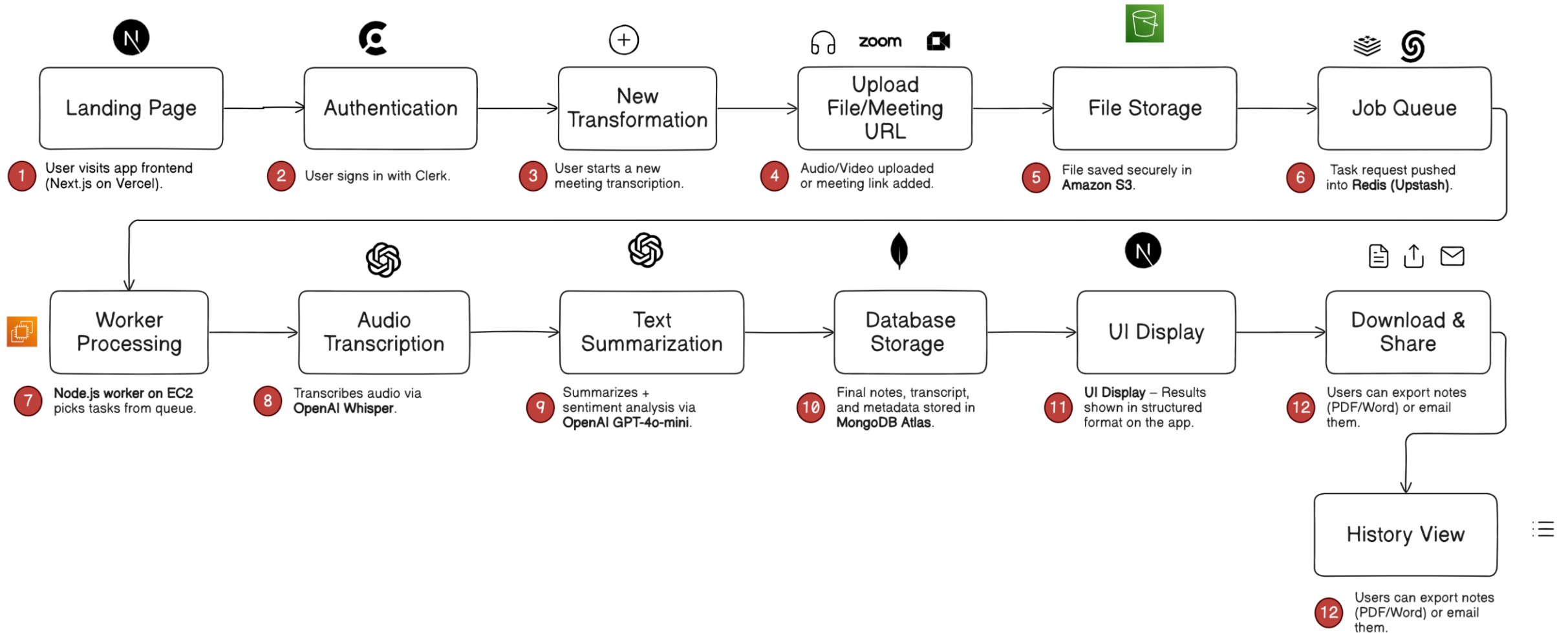


Serverless Redis
used for Queues

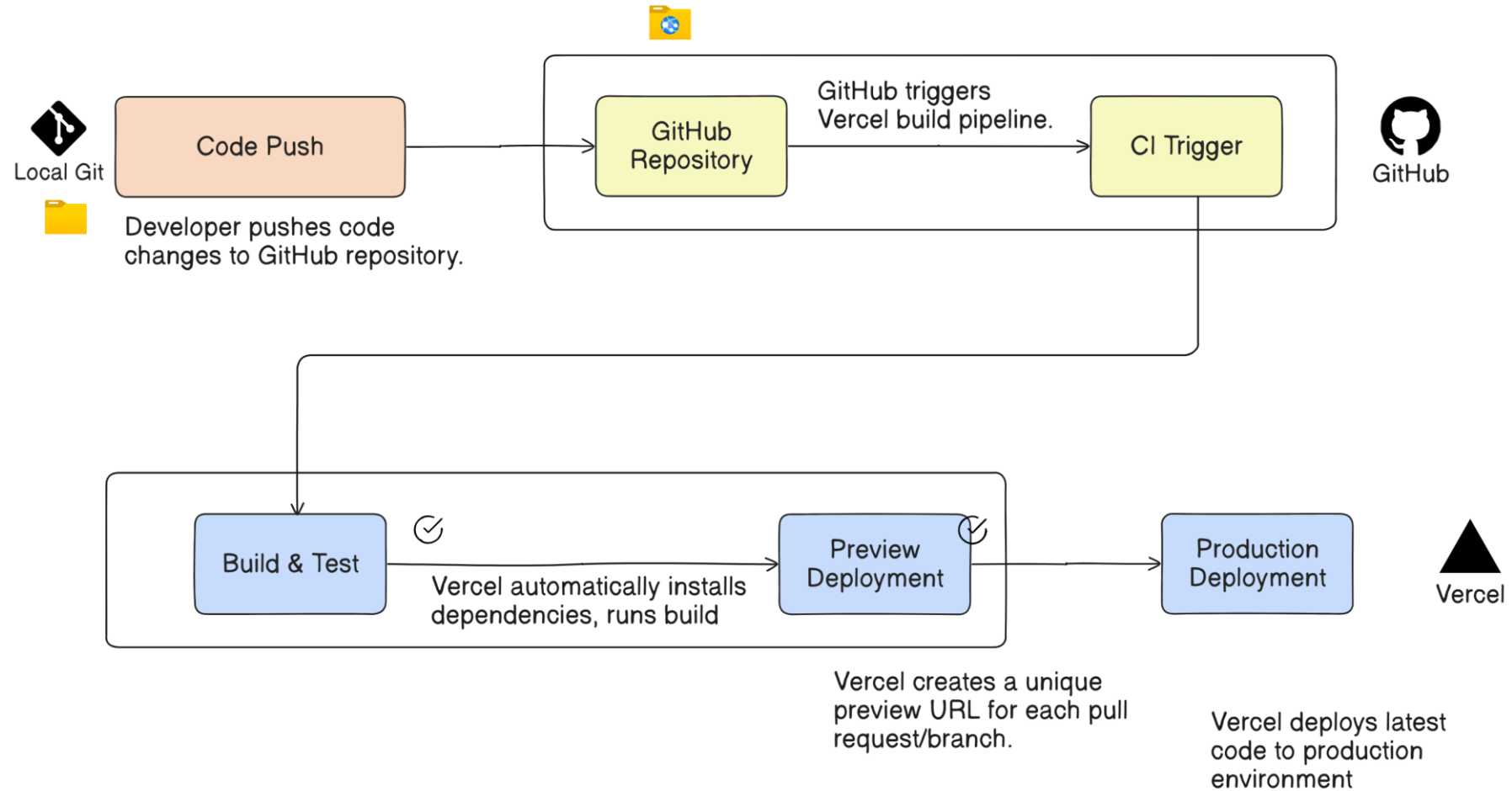


Frontend Hosting

Project Architecture



Project Deployment (CI/CD)



Project Features

Future Enhancement

Project Demo