LABS PREVIEW

Robertmeta repo | 38 commits | 1 primary builder | v1.3.0

Rebuild the narrow solution into a broader system.

Omnivox is a cross-platform Rust speech server for Emacspeak. It replaces the Apple-specific SwiftMac path with a broader architecture that handles multiple TTS backends, concurrent audio streams, and cross-platform deployment.

The Short Version

Omnivox belongs in Labs because it shows the team taking a real existing problem, keeping the useful domain knowledge, and rebuilding the implementation around a stronger architecture.

> *The value here is not just cross-platform support. It is the willingness to replace the right thing with a better thing once the constraints become clear.*

What The Repo Shows

Rust workspace split into audio, core, CLI, TTS, and optional Piper bindings.

Platform-native and fallback TTS engines across macOS, Linux, and Windows.

Concurrent streams for speech, tones, and audio icons.

Operational docs, architecture notes, CI analysis, and chunking references.

A clear release path through v1.3.0 while still openly marked as evolving.

Why It Matters

Omnivox is a strong Labs example of systems thinking, cross-platform engineering, audio pipeline design, and accessibility-grounded architecture. It is also a useful example of Intelligrit's bias toward rebuilds when the first implementation proves the need but not the final form.