

Tech Stack for Yutex Application

Yousuf Uyghur

Overview

The Yutex application is a lightweight, cross-platform desktop app similar to a local Overleaf. It is built using modern web and system technologies, combined through Tauri.

Tech Stack

- **Frontend Framework:** SvelteKit
 - Adapter: `adapter-static` (for static builds)
- **UI/Styling:** Tailwind CSS
- **App Container:** Tauri
 - Frontend served from SvelteKit build
 - Backend powered by Rust
 - Configuration: `tauri.conf.json`
- **Build/Dev Tools:**
 - Node.js + npm (for SvelteKit build and dev server)
 - Rust + Cargo (for Tauri runtime)
- **Editor Features:**
 - Planned integration of open-source AI models for:
 - * Code auto-completion
 - * Error detection
 - * Linting
- **Target Platforms:**
 - Windows
 - macOS
 - Linux