

BolivarBlue - App Summary

What it is

BolivarBlue is a Progressive Web App that provides real-time exchange rates for the Venezuelan Bolivar. It offers a responsive UI with rate cards and conversion tools.

Who it's for

Primary persona: Not found in repo.

What it does

- Real-time rate cards for BCV (Central Bank of Venezuela) and Binance P2P rates.
- Currency conversion calculator for USD, EUR, and Bs. using BCV or Binance rates.
- Installable PWA with an in-app install prompt.
- Offline compatibility via cached rates and runtime caching.
- Light and dark theme toggle stored in localStorage.
- Spanish and English localization with a language toggle.
- Spread indicator comparing BCV vs Binance rates.

How it works

- React 19 + Vite frontend renders rate cards, calculator, and indicators in 'src/'.
- Theme and language contexts manage UI state and persist settings in localStorage.
- Axios client in 'src/services/api.js' calls '/api/bcv' and '/api/binance' endpoints with timeouts.
- Serverless handlers in 'api/' scrape BCV (axios + cheerio) and proxy Binance P2P requests.
- Caching utilities store recent rates in localStorage and 'useOnlineStatus' tracks connectivity.
- PWA configuration (vite-plugin-pwa) defines manifest and Workbox runtime caching.

How to run

- Prereq: Node.js v18+ and npm or yarn (recommended in README).
- Install dependencies: 'npm install'.
- Start dev server: 'npm run dev'.