

CRAVO — TECH STACK

FRONTEND (Mobile Apps)

- Flutter — Cross-platform mobile framework (iOS & Android)
- Dart — Programming language for Flutter apps
- GetX — State management, routing, and dependency injection
- Dio — HTTP client for API communication
- Firebase Auth — Authentication (email, phone, Google, Apple, OTP)
- Firebase Messaging (FCM) — Push notifications
- Google Maps SDK — Maps, places autocomplete, geocoding, directions
- Flutter Stripe — Payment processing (cards, wallets)
- Sentry — Error tracking and performance monitoring
- Hive — Local NoSQL database for caching
- SharedPreferences — Key-value local storage
- Flutter Secure Storage — Encrypted storage for tokens/secrets
- BetterPlayer — Video playback with pooling and caching
- Live Activities — iOS Dynamic Island for order tracking
- Shorebird — Over-the-air (OTA) code push updates
- Melos — Monorepo management for multi-package workspace
- flutter_gen — Auto-generated asset references
- Widgetbook — UI component showcase and testing
- FlutterDotEnv — Environment variable management

FRONTEND (Web App)

- React 19 — UI library for building web interfaces
- TypeScript — Type-safe JavaScript for web development
- Vite — Fast build tool and dev server
- React Router v7 — Client-side routing and navigation
- TanStack React Query — Server state management and data fetching
- Tailwind CSS — Utility-first CSS framework for styling
- Zustand (Store) — Lightweight state management
- Firebase Auth — Authentication (same as mobile apps)
- Stripe React — Payment processing for web
- Google Maps (vis.gl) — Maps integration for web
- Lucide React — Icon library
- Sonner — Toast notification system
- Turborepo — Monorepo build system for web packages
- pnpm — Fast, disk-efficient package manager

- Cloudflare Workers (Pages) — Web app edge deployment

BACKEND

- Node.js — Server-side JavaScript runtime
- Hono — Lightweight, fast web framework (runs on edge)
- Drizzle ORM — Type-safe runtime database queries
- Prisma — Database schema management and migrations
- PostgreSQL — Relational database
- Zod — Runtime schema validation for API requests
- Turborepo — Monorepo build system for backend packages
- Cloudflare Workers — Serverless edge deployment (production)
- AWS — WozaNow client deployment

PAYMENTS & BILLING

- Stripe — Card payments, payment intents, payment sheets
- In-App Wallet — Internal wallet system with auto-apply

STORAGE & CDN

- DigitalOcean Spaces / S3 — File storage (images, videos, documents)
- CDN — Content delivery for media assets

DEVOPS & DISTRIBUTION

- Git & GitHub — Version control and collaboration
- Shorebird — OTA updates without app store resubmission
- Google Play Console — Android app distribution and testing
- Apple App Store Connect — iOS app distribution
- Firebase App Distribution — Beta testing distribution

REAL-TIME

- WebSockets (Socket.io) — Real-time order updates and chat
- FCM Data Messages — Background push notifications

THIRD-PARTY SERVICES

- Google Sign-In — Social authentication
- Apple Sign-In — Social authentication

- Google Maps Platform — Maps, Places, Geocoding, Directions APIs
- Bluetooth (flutter_blue_plus) — Thermal printer connectivity (Business app)