

"Marketplace Technical Foundation"

SHOP.CO

Libraries and Tools using in website

This reference represents the "**Marketplace Technical Foundation**" for **SHOP.CO**, focusing on the tools and libraries used for building the platform. The framework is divided into three main categories: **Frontend**, **Backend**, and **APIs**.

Frontend Tools

1. **Next.js:**
 - A framework for building modern, dynamic, and server-rendered UIs.
 - Built on React for efficient performance.
 - Installation command: `npx create-next-app@latest`.
2. **TypeScript:**
 - Adds static typing to JavaScript for better code reliability and maintainability.
3. **Tailwind CSS:**
 - A utility-first CSS framework for creating responsive, rapid, and pre-built styled components.
4. **ChandCN UI:**
 - A graphical interface for interacting with ChandCN's NLP capabilities.
5. **Radix UI:**

- A React component library for building accessible and unstyled primitives for user interfaces.

Backend Tools

1. Sanity CMS:

- A headless CMS for building flexible, data-driven digital experiences with a developer-friendly focus.

2. Clerk / StackAuth:

- **Clerk:** A user authentication and authorization service for web applications.
- **StackAuth:** An additional service for secure authentication for web applications.

API Tools

1. ShipEngine:

- Provides tools for managing shipping labels, tracking shipments, and calculating shipping costs.

2. PayPal / Stripe:

- Online payment systems for secure and convenient transactions worldwide.

3. Postman API:

- Offers tools for testing, developing, and collaborating on APIs with features for automation and integration.

This technical foundation provides a well-rounded structure to ensure **SHOP.CO** delivers a seamless user experience with robust frontend design, secure backend functionality, and effective API integrations.