

# Architecture for E-Commerce Shoe Website

## Selling Comfortable Shoes

### 1. Frontend (Next.js + Tailwind CSS):

- Handles the user interface and responsive design.
- Showcases the product catalog, detailed product pages, and a smooth user experience.

### 2. Backend (Next.js API Routes):

- Manages the server-side logic and API endpoints.
- Handles features such as order processing, inventory management, and payment integration.

### 3. Authentication (NextAuth.js):

- Provides secure user authentication and session management.
- Supports user account creation, login, and password recovery.

### 4. Database (MongoDB Atlas):

- Stores product details, customer information, order history, and other records.
- Ensures data integrity and scalability for growing product inventory.

### 5. Hosting (Vercel):

- Ensures fast and reliable deployment of the platform.
- Optimized for speed and global reach, delivering a seamless shopping experience.

### 6. Admin Panel (Dashboard):

- Allows administrators to manage products, users, and orders efficiently.
- Includes tools for inventory tracking, sales analytics, and customer support.

FRONT-BONTEND



Frontend + Froxt.JS  
NEXT.IS + NEXT.JS  
API RUTES



BACKEND + MONOR-SIDE



NEXT.CS — API RUTES  
ADMOOD  
AP I R  
RUTES



JS



DURABASE



NECKEND

MONGODB  
API  
ATLES

ADMISAN PANEL  
MAUS,STC HANEL



NENGO



MONCOD

