

Technical Foundation Planning

Introduction

In order to build a scalable and efficient e-commerce marketplace, I have planned a robust technical foundation that integrates a modern frontend, a powerful CMS, and multiple APIs to streamline operations.

System Components

- Frontend (Next.js):

Next.js is used to build a dynamic and interactive frontend for the platform.

- Sanity CMS:

Sanity CMS manages content efficiently and delivers it through APIs.

- Product Data API:

This API provides product details, pricing, and stock availability.

- Shipment Tracking API:

Tracks real-time delivery status for customer orders.

- Third-Party API:

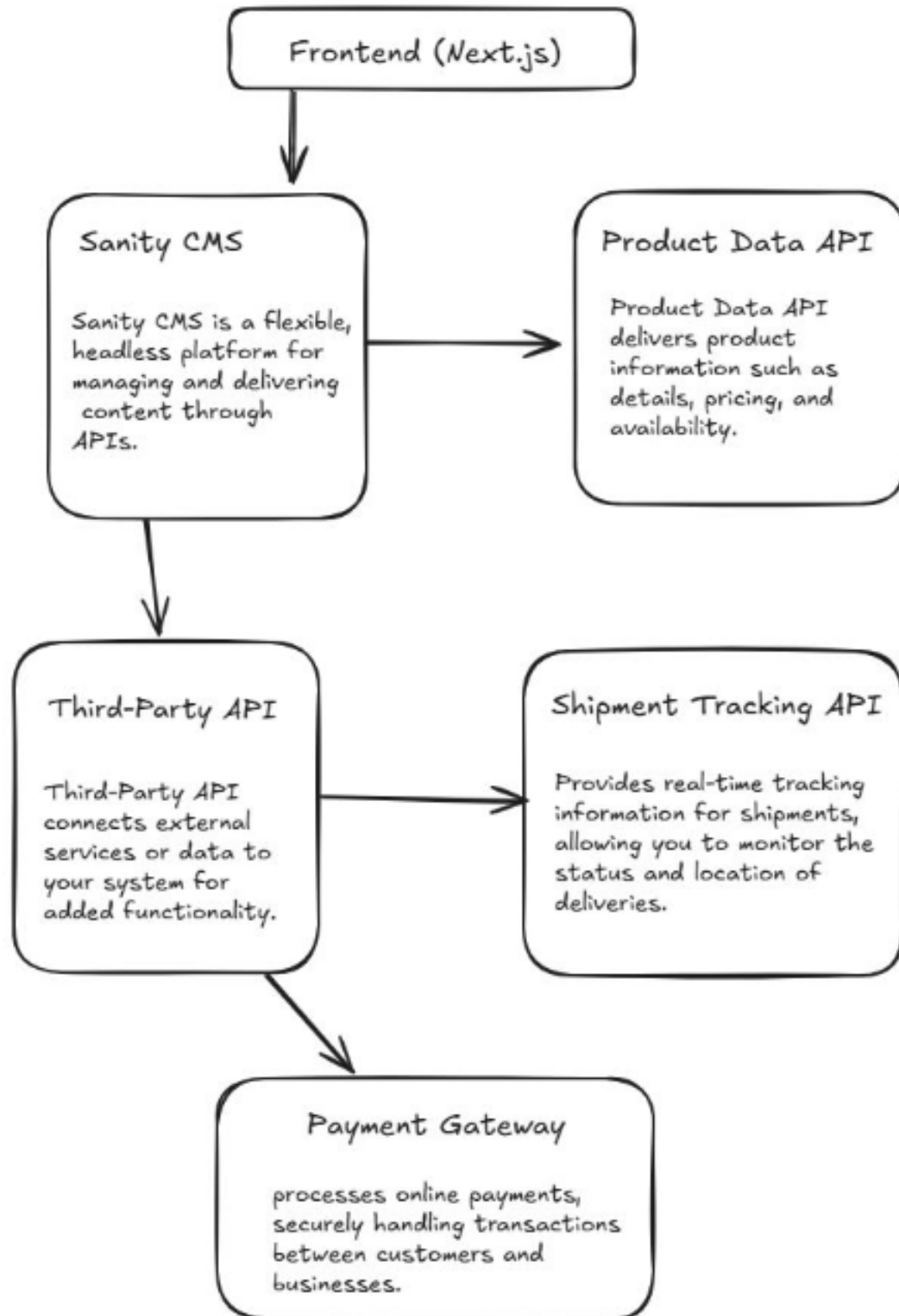
Connects external services and additional functionalities.

- Payment Gateway:

Handles secure online transactions between customers and businesses.

System Architecture Diagram

Design System Architecture



Conclusion

This technical foundation ensures a seamless user experience by integrating content management, APIs, and secure transactions, enabling a successful e-commerce system.