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A connected multi-vendor platform

OVERVIEW

A production platform connecting vendor workflows, commerce systems, payments, and location data.

ROLE	Core full-stack developer
PERIOD	Since April 2024
STATUS	Ongoing engineering engagement

THE PROBLEM

A multi-vendor business needed one application to support vendor workflows while keeping product and inventory data connected across commerce systems, payments, and location services.

CONNECT VENDOR WORKFLOWS TO COMMERCE SERVICES

1. Vendor workflows run through the SvelteKit platform.
2. API and webhook integrations connect Stripe, Shopify, Commerce7, and Klaviyo to the platform.
3. Stripe supports franchise and subscription payments; mapping workflows support vendor locations.

WORK DELIVERED

- Designed and built the SvelteKit platform and its data architecture.
- Integrated Stripe, Shopify, Commerce7, Klaviyo, and mapping workflows using APIs and webhooks.
- Took ongoing responsibility for architecture, integrations, roadmap planning, and delivery.

WHAT THE WORK ENABLES

- Vendor and integration workflows are supported by one application.
- API and webhook integrations connect commerce, payment, and marketing services.
- The initial collaboration developed into an ongoing engineering engagement.

CONSTRAINTS

Multiple third-party systems and changing business requirements needed clear ownership and maintainable integration boundaries. Client-specific screens are not published.

IMPLEMENTATION DETAILS

Built with SvelteKit and Cloudflare D1/R2, session-based authentication, and a repository/service separation. The engagement is documented in the existing professional experience content.

TOOLS AND TECHNOLOGIES

SvelteKit | Cloudflare Pages | Cloudflare D1 | Cloudflare R2 | Cloudflare Images | Stripe API | Stripe webhooks | Shopify API | Shopify webhooks | Commerce7 API | Commerce7 webhooks | Klaviyo | Klaviyo webhooks | Maps API

DETAILED CASE STUDY

An initial collaboration that began in April 2024 grew into an ongoing core engineering role on a multi-vendor commerce platform. My work spans the application architecture, vendor workflows, integrations, and continuing roadmap delivery.

01 / THE PROBLEM

Vendor operations depended on connected services

The platform needed to support vendor interaction while connecting commerce data, payments, marketing, and location workflows. Integrations with Stripe, Shopify, Commerce7, and Klaviyo used APIs and webhooks; mapping services supported vendor locations.

As the scope grew, clear integration boundaries and an engineering owner became important to keep the platform and its connected services moving together.

02 / THE APPROACH

Build an application that can keep evolving

I built the SvelteKit application from the ground up and used a repository-service separation for its data and business operations. The documented stack includes Cloudflare Pages, D1, R2, and Cloudflare Images.

Authentication is handled with server-side session verification and secure cookie lifecycle management. That foundation supports the platform's ongoing integration work and changing roadmap.

03 / THE SOLUTION

Connect vendor, commerce, payment, and location work

The integration scope includes Shopify and Commerce7 product and inventory synchronization, Stripe for franchise and subscription payments, Klaviyo, and Maps APIs for vendor locations and geofilters. APIs and webhooks connect the third-party services to the platform.

My role grew from basic collaboration and tutoring into core engineering ownership: architecture, database modeling, API workflows, roadmap planning, and feature delivery. The work is ongoing, so this account describes a continuing system rather than a finished launch.

04 / WHAT CHANGED

A continuing engineering engagement

The engagement continues, with responsibility spanning architecture, integrations, roadmap planning, and delivery. This case focuses on those systems and the engineering role that grew around them.

A USEFUL PLACE TO START

What is slowing your business down?

[Schedule a call](#)

Tell me about the workflow, the friction, and what a better version would look like.

TO GOD BE THE GLORY!

And we know that all things work together for good to them that love God, to them who are the called according to his purpose.

- Romans 8:28