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413 Cafezinho POS

OVERVIEW

One operational workspace for counter sales, shifts, inventory, and end-of-day reporting.

ROLE	Solo full-stack developer
PERIOD	January-May 2024
STATUS	POS in internal use; storefront retired

THE PROBLEM

A coffee shop needed software that joined employee workflows, product management, sales, and reporting in a mobile-friendly interface.

MOVE FROM COUNTER SALE TO SHIFT CLOSE

1. Staff select products and build the customer order in the POS.
2. They record payment and provide an itemized receipt.
3. Managers close the shift and review sales, payment, and cash movement.

WORK DELIVERED

- Built POS, order, shift, and cash workflows in one application.
- Added inventory and product management alongside day-to-day reporting.
- Delivered an original customer ordering experience alongside the employee-facing system.

WHAT THE WORK ENABLES

- Employees can work through sales and shift tasks in one place.
- Management can review payment breakdowns and cash movements in end-of-day reports.
- The business retained its internal POS after retiring the public commerce site.

CONSTRAINTS

The interface needed to work on mobile devices and reflect real counter and shift operations. The current production footprint is intentionally POS-only.

IMPLEMENTATION DETAILS

Built the application end to end using SvelteKit and Cloudflare Workers, with D1 for data and R2 for media. The retired public commerce domain is not presented as a currently operating storefront.

TOOLS AND TECHNOLOGIES

SvelteKit | TypeScript | DaisyUI | Tailwind CSS | Cloudflare Workers | Cloudflare D1 | Cloudflare R2 | PWA

DETAILED CASE STUDY

I built a mobile-first ordering and operations system for 413 Cafezinho. The public storefront has since been retired; the employee-facing point-of-sale system remains in internal use.

01 / THE PROBLEM

Customer orders and staff operations shared one business

The original project brought together customer ordering, employee sales, products, inventory, shifts, and reporting. Staff needed a clear counter workflow, while management needed to close shifts and review payment and cash activity.

The interface also needed to work on mobile devices. The customer-facing commerce site and internal POS later had different lifecycles: the public storefront was retired, while the business kept using the POS internally.

02 / THE APPROACH

Build the day around the counter and shift

I developed the application end to end with SvelteKit and Cloudflare's serverless stack. The employee experience connects the order queue, product selection, cart, payment controls, shift activity, and end-of-day reporting.

The customer ordering experience was part of the original scope and sent orders into the employee-side queue. Product and ingredient management connected the sales workflow to day-to-day stock operations.

03 / THE SOLUTION

A single application for sales and shift work

Staff can build an order from the POS, record payment, and continue through shift tasks. Product and ingredient screens support catalog and stock management; shift logs record activities such as cash changes, expenses, and breaks.

The end-of-day report brings together sales by payment method, discounts, and cash-drawer movement. The application uses Cloudflare Workers, D1, and R2, with PWA support.

04 / WHAT CHANGED

The internal POS continues after the storefront retired

The business retained the employee-facing POS for internal operations and retired the public commerce site. This case study therefore focuses on the current operational system rather than presenting the old storefront as active.

The selected screenshots show the employee dashboard, shift log, product and ingredient management, and an end-of-day report.

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