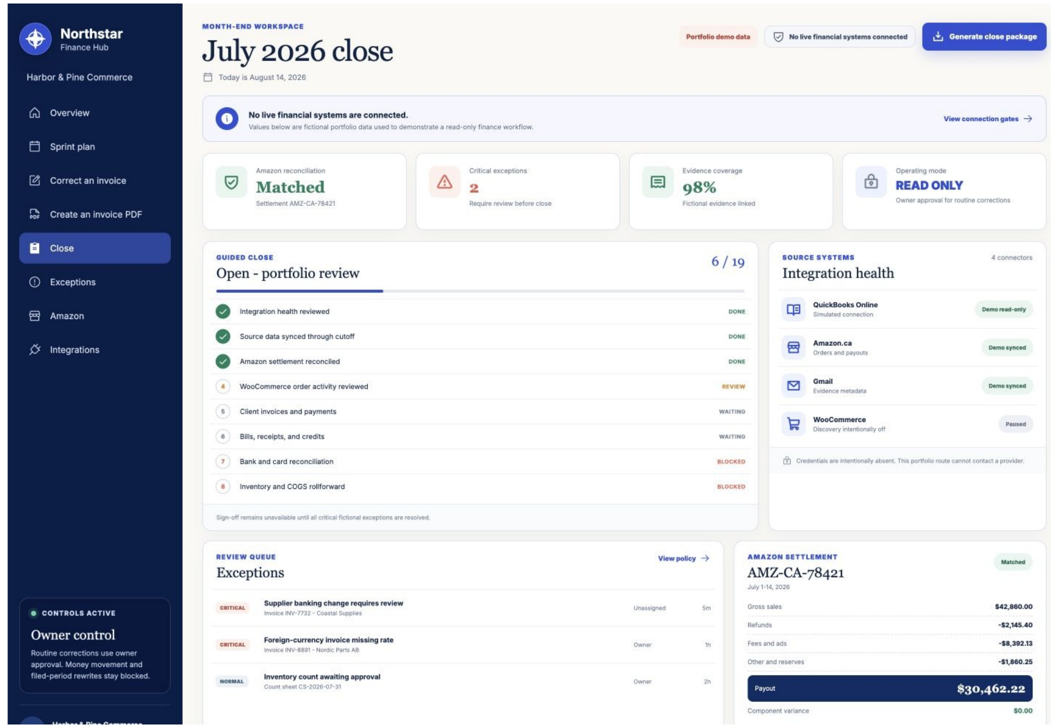
PORTFOLIO CASE STUDY

CUSTOM FINANCE OPERATIONS SOFTWARE

Finance operations, made visible and controllable.

A read-only-first control centre built around QuickBooks Online for an owner-operated commerce and services business.



THE OUTCOME

Less manual checking.
More controlled decisions.

QBO remains the financial system of record.

4	**$0.00**	**READ ONLY**
representative Amazon settlements validated	monetary variance in the selected validation set	default operating and integration posture

THE CHALLENGE

Bookkeeping work was spread across systems.

Amazon settlements, A2X journals, QBO records, bank activity, client invoices, receipts, inventory, and month-end checks all required separate review. The opportunity was not simply to automate entries. It was to create one controlled operating layer around the ledger.

Fragmented evidence

Important information lived in provider portals, email, bank records, reports, and bookkeeping workpapers.

Manual reconciliation

The owner needed to trace transactions across Amazon, A2X, QBO, and the bank before trusting the result.

Automation risk

Unrestricted writes could create duplicate postings, erase context, or alter closed and filed periods.

THE DESIGN RESPONSE

Evidence first. Explainable rules. Owner authority.

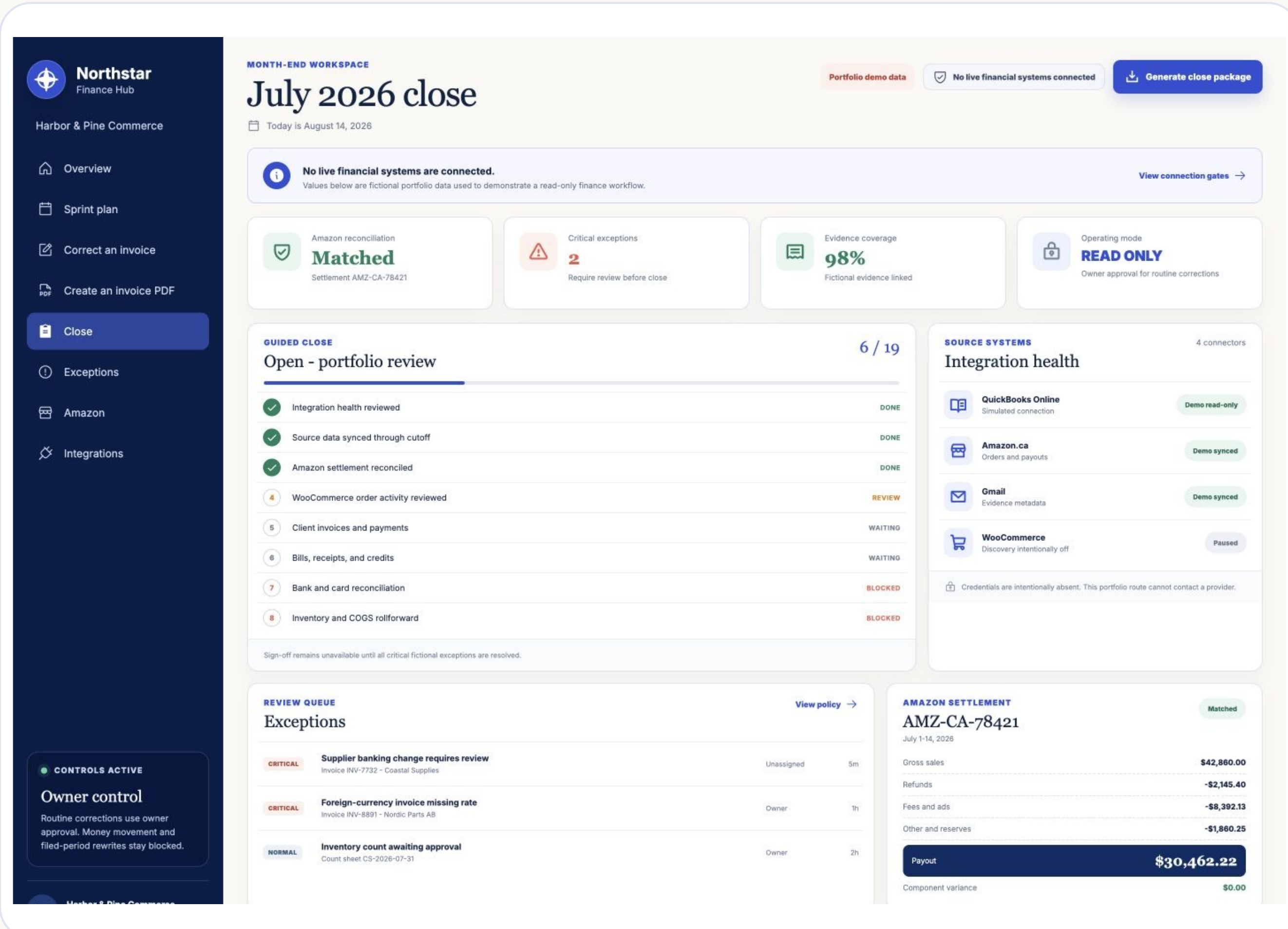
1. **Capture** — Bounded provider evidence →
2. **Normalize** — Stable internal records →
3. **Reconcile** — Rules and variance checks →
4. **Review** — Exceptions and before/after →
5. **Act** — Narrow approved workflow

Permanent boundary No payments, tax filing, silent closed-period rewrites, or uncontrolled production writes.

THE PRODUCT

A control centre for month-end decisions.

The application brings reconciliation status, exceptions, owner workflows, integration health, and permanent safety controls into one operating surface.



Exceptions

Prioritize anomalies, missing decisions, and risky provider events instead of reviewing everything equally.

Reconciliation

Explain the gross-to-net movement and expose variance rather than relying on a single payout number.

Guardrails

Keep irreversible authority outside direct automation and make the operating mode visible.

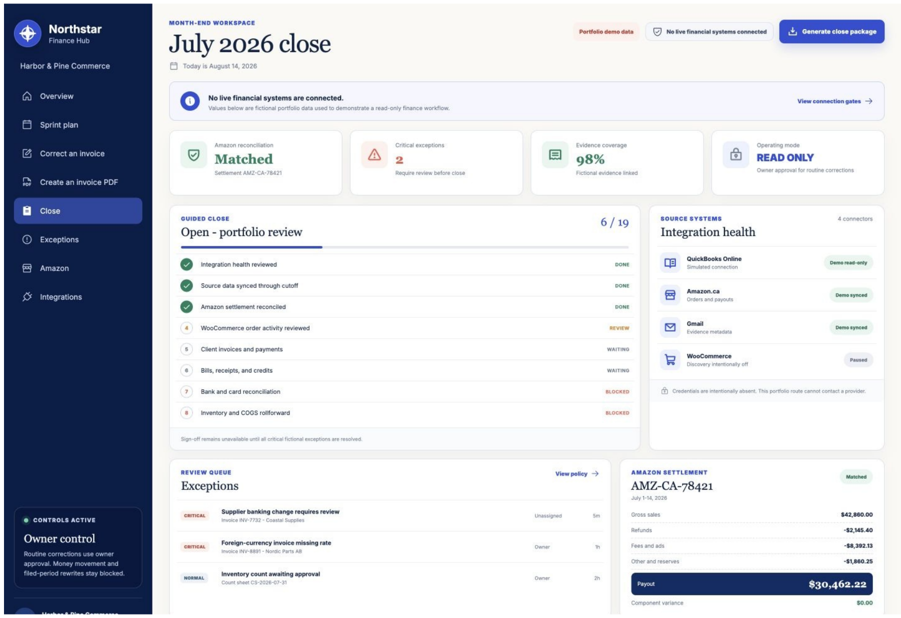
DESIGNED FOR OWNER OPERATORS

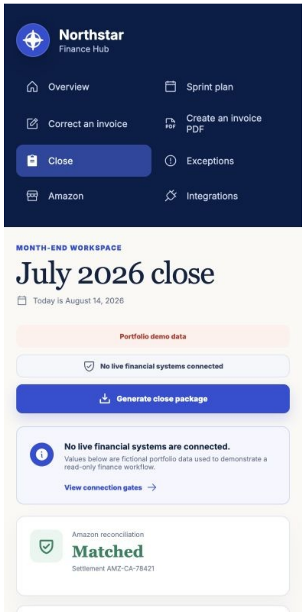
Routine work stays understandable and reviewable.

OWNER-OPERATED WORKFLOWS

Useful software before unrestricted automation.

Two practical workflows demonstrate the core product philosophy: make the decision visible, preserve context, and stop before the software exceeds its authority.





1. Desktop month-end control centre

A focused desktop workspace makes close readiness, exceptions, provider health, and settlement variance visible without exposing live financial information.

2. Responsive owner view

The same fictional dashboard remains usable on a narrow screen, keeping the main action, disclosure, and metrics clear.

Shared design rule Every public screen labels its fictional data and keeps live provider authority visibly out of scope.

The portfolio route cannot write to QBO, send email, request payment, or contact any financial provider.

BUILD SUMMARY

A production-minded foundation, built in careful stages.

IMPLEMENTED AND VALIDATED

What the project demonstrates

- Next.js and TypeScript finance operations interface
- Amazon settlement gross-to-net reconciliation
- Read-only QBO connector with sandbox verification
- Idempotency, checksum conflicts, rules, and audit controls
- PostgreSQL data model and controlled migration foundation
- Secure local 1Password integration for sensitive defaults

INTENTIONALLY NOT OVERSTATED

What remains gated

- Live production QBO reads and production OAuth runtime
- Durable ingestion jobs, database persistence, and object storage
- Automatic Amazon, A2X, Gmail, and WooCommerce ingestion
- Authenticated internal access and durable approval records
- Any QBO write path, posting automation, or financial mutation

HOW THIS TRANSLATES TO CLIENT WORK

Custom finance systems, shaped around the business.

I help small businesses map their real bookkeeping workflow, connect the right systems, build reconciliation and exception controls, and introduce automation only where it is safe, explainable, and valuable.

QUICKBOOKS | E-COMMERCE | RECONCILIATION | OWNER WORKFLOWS | AUDIT CONTROLS