

Bilko demo — 7 real-user bug fixes + live verification (MC #102887) — 2026-06-04

Summary

CEO smoke-tested the live Bilko demo and found real bugs in minutes that the prior Phase-B QA (#102883) missed because it tested API-with-token, not real UI clicks. This task ran a REAL-USER browser walkthrough, found 7 bugs, fixed all 7, and LIVE-verified them on bilko-demo.alai.no.

The 7 bugs (all fixed + live-verified)

1. **PDV €NaN** on invoice detail — `vatRate` undefined (backend serializes `taxAmount`); fixed `formatCurrency` NaN-guard + `vatAmount ?? taxAmount`. Live: now **€30,50**.
2. **No pagination** on invoice list — added server-side pagination controls (shows when >1 page).
3. **Draft save → 400** — `customerId` required unconditionally + e-invoice XML generated for drafts. Fixed: V63 migration (`customer_id` nullable), skip e-invoice for drafts.
4. **/pricing 401** on `/me/trial` + `/chatbot/history` — components fired before auth hydrated. Fixed: auth guard (`isAuthenticated && !authLoading`) on `TrialBanner` + `pricing/page.tsx`.
5. **PDF download no refresh-on-401** — added refresh-and-retry to `downloadPdf` in `api.ts`.
6. **Credit-note button shown but 403** — gated button on plan (`planTier` added to `/auth/me`; hidden for BASIC).
7. **Trial banner "26874 dana"** — `TrialService` caps >3650 days; banner guards.

Critical deploy lesson (worth remembering)

A "green build" with the correct git-sha label did NOT mean the fix was live:

- The first fix attempt edited **dead code** (`invoices/[id]/_client.tsx`) — the live App Router page is `page.tsx`. The component was never compiled/served.

- The demo web Docker build reused a **stale BuildKit layer**, shipping an old `apps/web` bundle even from a "fresh" build labeled with the new commit. Both were caught **ONLY** by **live outcome-verification** (Playwright on the real demo showing €NaN), not by trusting build SUCCESS. Fixes: move logic to `page.tsx` (#249) + Dockerfile `BUILD_SHA` cache-bust arg (#248).

Deploy + verification

- PRs #247, #248, #249, #250 merged to main. Tags v0.2.11 (5 bugs) + v0.2.12 (last 2).
- Live: bilko-web-demo rev **00049-w6q** (git 11bd914) 100% traffic; api rev git-matched (ADC-direct Cloud Run API).
- **regression-102887.spec.ts: 7/7 PASS** vs live bilko-demo.alai.no (real browser + API-auth). integrationTest required CI gate green on all PRs.
- Independent pre-verifier (Company Mesh / Proveo): PASS — mesh-thr-bbe0fe04-bc49-4dc0-8713-b3daa9ad602d. til-done DONE.

Process takeaways

- API-with-token QA \neq real-user QA. Always click the actual UI affordances.
- Verify deploys by OUTCOME on the live surface, never by "build SUCCESS" + git-sha label.

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