NORTHSTAR ENGINEERING ADVISORY

TECHNICAL CODEBASE AUDIT & HANDOVER REPORT

Prepared for Acme FinTech Pty Ltd * Repository: acme-payments-platform * Date: 2026-11-28

OVERALL HEALTH

81 / 100

Grade B

CRITICAL / HIGH	0 / 2 Action items
CODEBASE SIZE	96 files 14,820 LOC
GIT BUS FACTOR	1 148 commits
CI & TESTS	CI Active 14 test files

5-PILLAR TECHNICAL SCORECARD

Security & Secret Hygiene (30%)	82/100
Dependencies & Supply Chain (20%)	82/100
Testing, CI/CD & Quality (20%)	91/100
Git Bus-Factor & Maintainability (15%)	78/100
Documentation & Handover (15%)	72/100

REPOSITORY & STACK PROFILE

Ecosystems Detected: Node.js | Lockfile: Committed | Docker: Yes

Dependencies: 18 runtime, 12 dev | License File: Missing

Git Contributors: 3 | Top Author Share: 91% | 90d Commits: 64

Largest Source Files: src/billing/reconcile.ts (540 LOC), src/api/webhooks.ts (412 LOC), src/db/ledger.ts (338 LOC)

Prepared by: Principal Solutions Architect

HIGH

Live environment file present (.env.production)

Non-template ‘.env.production‘ detected in project tree. Risk of leaking credentials in handover archives.
Action (Quick Win (<1h)): Exclude ‘.env.production‘ via ‘.gitignore‘, rotate credentials, and ship ‘.env.example‘.

HIGH

Unpinned wildcard/latest dependency versions (2)

Packages with unpinned versions: stripe-sdk, pdf-helper.
Action (Quick Win (<1h)): Pin all dependencies to explicit semver ranges and regenerate ‘package-lock.json‘.

MEDIUM

TypeScript strict mode is not enabled

‘tsconfig.json‘ does not enable ‘"strict": true‘.
Action (Half Day): Enable ‘"strict": true‘ and fix nullability issues before scaling the client team.

MEDIUM

Single-contributor concentration (Bus Factor = 1, 91% commits)

One contractor authored 91% of 148 commits. Knowledge-transfer risk during handover.
Action (Half Day): Run a 90-minute architecture walkthrough and document deployment runbooks.

MEDIUM

No LICENSE file at repository root

Explicit IP ownership / commercial license file missing.
Action (Quick Win (<1h)): Add ‘LICENSE‘ confirming client IP assignment.

PASS

Automated CI/CD pipeline configured

GitHub Actions workflows verified on pull requests.

PASS

Automated test suite present (14 test files)

Unit and integration test files cover core billing and API flows.

30-DAY REMEDIATION ROADMAP & HANDOVER SIGN-OFF

PHASE 1 - IMMEDIATE (DAYS 1-3): CRITICAL & HIGH RISKS

[ ] [HIGH] Live environment file present (.env.production) (Quick Win (<1h))

Exclude ‘.env.production‘ via ‘.gitignore‘, rotate credentials, and ship ‘.env.example‘.

[ ] [HIGH] Unpinned wildcard/latest dependency versions (2) (Quick Win (<1h))

Pin all dependencies to explicit semver ranges and regenerate ‘package-lock.json‘.

PHASE 2 - STABILIZATION (DAYS 4-14): MEDIUM RISKS

[ ] [MEDIUM] TypeScript strict mode is not enabled (Half Day)

Enable '"strict": true‘ and fix nullability issues before scaling the client team.

[ ] [MEDIUM] Single-contributor concentration (Bus Factor = 1, 91% commits) (Half Day)

Run a 90-minute architecture walkthrough and document deployment runbooks.

[ ] [MEDIUM] No LICENSE file at repository root (Quick Win (<1h))

Add ‘LICENSE‘ confirming client IP assignment.

PHASE 3 - HARDENING (DAYS 15-30): LOW RISKS & HYGIENE

No open items in this phase - posture verified.

PROJECT HANDOVER ACKNOWLEDGMENT

This technical audit confirms codebase posture for acme-payments-platform (Health Score: 81/100, Grade B).

Engineering Lead (NorthStar Engineering Advisory)

Client Acceptance (Acme FinTech Pty Ltd)