

*A study in the
engineering of trust.*



SECTOR

DIGITAL PAYMENTS / FINTECH UNICORN

Zero-Defect Payment Gateway Launch

A 90-day window. A \$2B+ unicorn. A national payment rail. No room for a critical defect.

KEY RESULTS

ZERO

CRITICAL DEFECTS

200+

EDGE CASES TESTED

15 DAYS

AHEAD OF SCHEDULE



SECTOR

DIGITAL PAYMENTS / FINTECH UNICORN

Zero-Defect Payment Gateway Launch

A 90-day window. A \$2B+ unicorn. A national payment rail. No room for a critical defect.

EST. READ / 3 MIN

FY 2026 / Q1

M.01

ZERO**CRITICAL DEFECTS**

in first 30 days post-launch

M.02

200+**EDGE CASES TESTED**

validated before production

M.03

15 DAYS**AHEAD OF SCHEDULE**

from a 90-day commitment

§ I THE CHALLENGE

Context

A high-growth fintech unicorn, valued in excess of \$2B, set out to launch native UPI payment capabilities inside a 90-day window. The integration surface was unforgiving — banking infrastructure, regulatory ceilings, and concurrent transaction handling — and any defect that escaped to production would be visible to every regulator in the country within hours.

§ II THE APPROACH

Method

Qualitrix owned end-to-end QA for the UPI integration. Coverage extended across payment-gateway connectivity, settlement reconciliation, and the long tail of edge cases — partial network failures, retries against duplicated intents, and concurrent transaction handling at peak load.

“Speed without zero defects is a press release, not a payment rail.”

— ENGAGEMENT LEAD, QUALITRIX QE

§ III BUSINESS IMPACT

Outcomes

- 01** — Successful launch with zero critical defects in the first 30 days.
- 02** — Two hundred-plus payment edge cases validated before production cutover.
- 03** — Full regulatory compliance achieved across RBI requirements.
- 04** — Launch completed fifteen days ahead of schedule.

