

Pavel Lesyuk

QA Architect & SDET Lead

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SUMMARY

QA Architect and SDET Lead with 8+ years building quality and security infrastructure for high-load consumer and Web3 products. Secured a Telegram marketplace that cleared **\$280M+ in volume** and a platform serving **43M+ monthly active users**, closing 30+ critical vulnerabilities before launch. Maintained a record of no known critical vulnerabilities reaching production within my area of responsibility. I build deterministic control planes for agentic AI, so LLM agents accelerate the testing lifecycle without ever authorizing their own gates. Equally at home threat modeling on-chain settlement, tuning backends to **50k RPS at sub-300ms**, and shipping fixes directly into Go and React.

CORE COMPETENCIES

Agentic AI QA — Process-as-Code · Claude Code · Cursor · Codex · MCP integrations · Agentic Pipelines · Self-Repairing Test Automation

Web3 & Security — Threat Modeling · TON Ecosystem · Telegram Mini Apps · On-Chain Settlement · Burp Suite · Frida · Fuzzing · gosec · trivy · govulncheck

Test Architecture — QA Strategy & SDET Leadership · Playwright · Appium (iOS/Android) · k6 Load Testing · Contract & API Testing · Hardware-in-the-Loop · Allure TestOps

Infra & Observability — GitHub Actions · GitLab CI · TeamCity · Docker & Kubernetes · Grafana · ELK · Firebase

Languages — TypeScript · Go · Python · SQL · Bash

PROFESSIONAL EXPERIENCE

QA Automation Architect — The Open Platform

Jan 2026 – Jul 2026 · Remote

- **Architected an AI-orchestrated QA system** where Claude Code agents drive the testing lifecycle autonomously, with adversarial test design for agentic wallets against domain invariants — revoke-atomicity, wallet isolation, capped spend — behind mandatory human review gates.
- **Eliminated live-fund exposure from CI** by engineering a deterministic Playwright pipeline over a mocked TON API, including a two-tab fixture that exercises bridge handshakes programmatically.
- **Converted manual ecosystem reviews into a self-service conformance tool**, maintaining a React/NestJS harness over the Allure TestOps API so multiple wallet vendors auto-verify their own SDK integrations.
- **Tamed a ~9-axis combinatorial explosion down to 100+ stable E2E cases** across AppKit and Demo Wallet, via shift-left analysis and pairwise design inside a 650+ scenario TestOps repository.

QA Lead — TON Foundation

Apr 2024 – Jan 2026 · Remote · Telegram Apps Center & wider TON ecosystem

- **Validated sub-300ms responses at 50k RPS with no failures observed in peak-load testing**, architecting a k6 suite across core flows and partnering with SREs on backend bottlenecks.
- **Cut release delays ~20%** by scaling the QA function with metric dashboards and quarterly planning, and authored the QA guidelines that gate ecosystem grants.
- **Saved ~\$12k/year in false-positive payouts** managing the Hackenproof bug bounty, and co-founded the TON Testers crowd-QA platform to surface regional edge cases.
- **Diagnosed a top Mini App memory leak that was taking down the native Telegram client**, and pioneered SSL-pinning bypass via custom Frida scripts for deep network inspection.
- **Automated ecosystem catalog conformance checks** with Telethon and Lighthouse, and delivered integration-standard keynotes to 100+ ecosystem developers.

Senior QA Engineer — Whoosh

Dec 2023 – Apr 2024 · High-load micro-mobility · LATAM expansion

- **Validated remote locks and violation detection on real hardware**, orchestrating Hardware-in-the-Loop testing with live e-scooters, embedded SIM telemetry, hardware-level GPS spoofing and dynamic route mockers.
- **Safeguarded correctness and reliability of financial transactions** on the core billing engine — dynamic fund holds, subscription lifecycles, automated refunds and one-time authorizations.
- **Architected the test frameworks for the LATAM market launch**, standardizing QA documentation and mentoring engineers to accelerate regression cycles.

Senior QA Engineer — VK.com

Apr 2021 – Apr 2023 · Remote · Superapp hub & Mini Apps platform · 43M+ MAU, 76k+ apps

- **Shipped the releases I owned on a platform serving 43M+ MAU without high-severity production incidents** by moving QA into PRD-stage risk assessment — including blocking unsafe contract updates that would have crashed legacy clients.
- **Owned cross-platform E2E at the frontend-to-network junction** (iOS, Android, Web), validating API versioning, backward compatibility and custom REST mechanisms.
- **Drove the mobile release lifecycle** via TeamCity build and autotest pipelines with Firebase Crashlytics health monitoring, and authored the Developer Responsibility Matrix that shortened dev-to-QA handoffs.

QA Engineer — CIAN Group

Aug 2019 – Apr 2021 · Moscow · PropTech marketplace, Secondary Real Estate

- **Built the mobile automation framework** in Python and Appium with a Page Object architecture, wired into Jenkins CI and unified reporting in Allure TestOps.
- **Owned the platform's primary content path** — property listing creation — isolating memory leaks and crashes under massive dynamic forms and heavy media uploads.
- **Led QA for an internal rental-market startup**, validating electronic rent execution, document verification and secure transactions; authored API coverage maps and monitored backends via ELK.

Earlier — Mamsy (QA Engineer, 2019) · Redmadrobot (QA Engineer, 2017–2019)

Moscow · E-commerce flash sales · InsurTech at a top-tier product agency · plus QA→automation mentoring, 2021–2023

- **Delivered mobile automation from zero to MVP** in Java and Appium at Mamsy, and hands-on-validated Android WMS applications on industrial scanning terminals at the fulfilment centre.
- **Field-tested an InsurTech accident-registration flow under real network degradation** at Redmadrobot, isolating vendor-specific defects with ADB and Logcat and running on-site enterprise UAT.

INDEPENDENT & FRACTIONAL VENTURES

Founding QA Architect & SDET Lead — Portex

Apr 2026 – Present · Fractional engagement · Real-money prediction market on Polymarket liquidity

- **Strengthened financial integrity across 6 chains** (TON, TRON, EVM, Solana and others) by building a Go API suite in GitLab CI with nightly real-money buy/sell chains and automated on-chain-versus-ledger reconciliation.
- **Closed the parallel over-spend and double-claim class of vulnerability** by authoring concurrency tests against the CLOB settlement path, backed by a CI security pipeline on govulncheck, trivy and gosec.
- **Pioneered Agentic QA in production CI** — a dual-layer Playwright suite (mock-driven plus live Telegram Web client) with Claude Code prototyping self-repairing tests that adapt to UI drift instead of failing the build.
- **Shipped frontend fixes to production personally** and led the engineering team's Jira-to-Linear migration, driving a shift-left culture from inside the Go and React codebases.

Founding QA Engineer & Lead — Portals

May 2025 – Aug 2026 · Independent engagement · #1 Telegram collectibles marketplace · 4.8M users

- **Secured an ecosystem that processed \$280M+ in its first year** as the 6-person startup's founding QA engineer, establishing the entire quality and security foundation around a unified balance layer.
- **Closed 30+ critical vulnerabilities pre-launch** — race conditions, IDOR, RBAC flaws, API data leaks and business-logic abuse — acting as de-facto security engineer. Maintained a record of no known critical vulnerabilities reaching production within my area of responsibility.
- **Proved launch-day capacity on-chain and off** by building load infrastructure over Highload V3R1 contracts plus custom Go MTProto scripts that simulate mass concurrent accounts inside Telegram itself.
- **Re-architected the admin/moderator authorization flow** and integrated Portals Games, a PvP/PvE ecosystem sharing the marketplace's balance layer.

Co-Founder & Product Owner — TON Testers

Nov 2024 – Dec 2025 · Crowd-QA hub via TON Foundation · In partnership with xcrwd

- **Scaled a distributed testing hub from zero to ~500 vetted crowd-testers**, owning product scope, roadmap and backlog for decentralized QA across the TON ecosystem.
- **Wired the tester pool directly into release toggles**, catching device fragmentation and localization defects that internal teams could not reproduce.
- **Surfaced production risks at the network layer** — Cloudflare caching anomalies and regional geo-blocking that were silently breaking Mini App loading in specific countries.

PUBLIC SPEAKING, COMMUNITY & PUBLICATIONS

- **Keynote speaker, TON Hackers League — SE Asia tour (2024)**: two bootcamps, Manila and Ho Chi Minh City, inside a 19-bootcamp, \$2M-prize-pool global initiative. Delivered "Telegram Mini Apps — Overview and Best Practices", plus 1:1 mentorship and live wallet-flow debugging with 50+ founders and engineers.
- **Hackathon judge, TON Hackers League (2024)**: evaluated 50+ startup pitches for a local \$5,000 prize pool and a fast-track to the global league, auditing architectural resilience, on-chain settlement correctness, Telegram-native UX and threat models.
- **"Process-as-Code: Managing AI in Web3 SDK Testing"** — long-form engineering article, InfoQ draft. Covers control-plane architecture via MCP integrations, why AI should accelerate phase transitions but never authorize them, and a gasless-transfer case study isolating deterministic E2E paths in CI.