

Pavel Kavalchuk

Senior QA Engineer | QA Lead

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PROFESSIONAL SUMMARY

Senior QA engineer with 6+ years of commercial experience across cloud & data protection, mobile, high-load e-commerce, cybersecurity, crypto/fintech and CRM low-code platforms. Built a quality function from zero as the sole QA of a cybersecurity product taken from startup stage to MVP and ~20 enterprise customers. Led QA teams of 2–4 engineers and owned quality for an e-commerce search domain with zero production incidents over 14 months as lead. Full-stack QA scope: functional and API testing, test automation, CI/CD, security and performance testing, release acceptance and team mentoring. Early and heavy practitioner of AI-assisted QA — LLM-generated test cases, agent-driven autotest development and automated review pipelines — with a measured 40% increase in delivery throughput.

CORE SKILLS

Testing & Process: functional, regression, E2E, integration, API, mobile (iOS/Android), security, performance, exploratory and risk-based testing; test strategy, test design techniques, test documentation, requirements analysis, defect management, release acceptance, mentoring

Automation: Python, Pytest, Playwright, Selenium, Requests, Pydantic, Postman / Newman, Faker

AI-assisted QA: Claude Code, LLM agents and subagents, MCP integrations, custom agent skills, AI test-case generation, AI-assisted code review

API & Data: REST, GraphQL, Swagger / OpenAPI, Apache Kafka, SQL, PostgreSQL, MySQL, MongoDB, Apache Solr

CI/CD & Infrastructure: GitLab CI, Jenkins, Docker, Kubernetes, Git, Linux (Debian, CentOS, AlmaLinux), AWS, Azure, DigitalOcean, VMware ESXi

Security & Monitoring: OWASP Top 10, DefectDojo, Kibana, Allure Report, KYC / KYB flows

Test Management: Jira, TestRail, Zephyr, Qase, YouTrack, Confluence, CrowdIn

Domains: Crypto & Fintech, E-commerce, Cybersecurity, Cloud & Data Protection, CRM / Low-code, iGaming, Mobile

PROFESSIONAL EXPERIENCE

Senior Full-Stack QA Engineer — emcd

Nov 2025 – Present

Crypto mining infrastructure · Remote · Contract engagement

- Test mining pool services, monitoring systems and payout/payment flows in a live production platform; involved from design stage through release.
- Designed an AI-assisted QA workflow now used as the team standard: test cases generated with LLMs, autotests developed under my direction with Claude Code, review automated through subagents and MCP integrations.
- Increased delivery throughput by ~40%, measured on test-case authoring time, task testing time and closed story points — 12–15 per week against a team baseline of 8–10.
- Testing spans REST and GraphQL APIs, Kafka event flows, SQL data validation and infrastructure-level checks.

QA Lead

Nov 2025 – Present

Product company — CRM and low-code workflow platform for the iGaming industry · Remote · Contract engagement

- Lead QA across two product directions with a team of 2 QA engineers: full ownership of the primary direction and oversight of the second.
- Own quality of a low-code workflow builder (n8n-class) that automates internal business processes on top of the company CRM; stack includes the Elsa workflow engine, Kafka and GraphQL APIs.
- Author test strategy, regression scope and technical specifications for E2E automation; run release acceptance and sign-off.
- Introduced AI-assisted test design and reusable agent skills that standardise bug reports, test cases and team working agreements.

QA & Automation Engineer (sole QA)

Mar 2024 – Nov 2025

Cybersecurity product company — automated vulnerability assessment and penetration testing (VAPT) platform · Remote · Parallel engagement

- Only QA and automation engineer in a 6-person product team (2 frontend, 2 backend, QA, product owner); took the product from startup stage through MVP to its first paying customers — the platform now serves ~20 enterprise clients.
- Built the entire quality function from zero: test strategy, documentation, regression suite, automated tests and CI/CD pipelines.
- Ran security and performance testing for a platform that scans networks, detects and exploits vulnerabilities, and audits Docker, Kubernetes and Active Directory environments.
- Defined release criteria and acted as the final quality gate for every production release.

QA Lead, Search — A1QA

Aug 2023 – Oct 2025

Large B2B e-commerce retailer · Minsk

- Joined as Senior QA Engineer and was promoted to lead of the search domain within 6–8 months; led a team of 2–3 QA engineers.
- **Zero production incidents across 14 months** of leading the domain.
- Owned quality of an Apache Solr based search: relevance, indexing, faceted filters and catalogue integrations.
- Features released under my quality ownership contributed to a 17% revenue increase for the direction.

Technical Coordinator, CTO Office — A1QA

Feb 2022 – Aug 2023

IT services company, 1000+ employees · Minsk

- Cross-company technical role covering up to 12 projects simultaneously as an embedded tech lead.
- Optimised procurement of software licences and mobile hardware, saving the company **\$80,000+**.
- Designed and launched an in-house remote mobile device farm (5–10 devices) adopted across the company.
- In the 2022 infrastructure separation programme (systems, software and teams migrated into a new isolated environment on a different toolchain), personally owned 1C, Keycloak, authentication and access management.
- Led QA and delivery of an internal R&D mobile application for employee time tracking on corporate devices.
- Speaker on mobile testing at the company conference (500+ attendees); designed and delivered a mobile testing course — 10+ lectures, 300+ engineers trained; delivered corporate mobile testing training for Alfa-Bank's engineering team.

Mobile QA Engineer → Mobile QA Lead — A1QA

Dec 2020 – Feb 2022

Acronis — cloud backup and data protection · Minsk

- Promoted to lead of a 3-person mobile QA team within 4 months.
- **Reduced the full regression cycle from 30 hours to 7 hours (~4x)** by moving repeatable checks to API-level Postman collections, introducing device-level UI automation and consolidating overlapping cases into cross-area E2E scenarios.
- Raised the mobile application store rating from **2.1 to 4.2 stars**.
- Introduced remote-device testing as a company-wide practice and became one of the organisation's reference mobile testing engineers.

QA Engineer — A1QA

Jun 2020 – Dec 2020

Acronis — cloud backup and data protection · Minsk

- Functional testing of desktop, web and cloud backup products in a team of 8 engineers.
- Virtualisation and multi-platform testing across Windows, Linux, macOS and VMware ESXi.

QA Intern — A1QA

2019 – Jun 2020

Minsk

- Completed internal training and certification stages; hired into the company as a Middle QA Engineer.

SELECTED PERSONAL & INTERNAL PROJECTS

- **WF Diagnostics** — Chrome extension for debugging workflow execution on test environments. Adopted by the entire development team; cuts flow-debugging and root-cause time by ~70%.
- **Self-hosted infrastructure** — personal Linux server running pet projects, a personal website and a monitoring stack; currently deploying a locally hosted LLM for offline AI-assisted work.
- **Python side projects** — Telegram bots automating daily QA routines and language practice; Invest Radar, a personal investment portfolio tracker with analytics, deployed on own infrastructure.

EDUCATION

Belarusian State University of Informatics and Radioelectronics (BSUIR) — Programming and Business Analysis

Higher education · 2020–2024 · Minsk, Belarus

Minsk Radioengineering College (BSUIR affiliate) — Programming Technician

2016–2020 · Diploma defended with the highest grade

CERTIFICATIONS & TRAINING

- Test Automation course — 2024
- D-Link networking course certificate — 2022

LANGUAGES

Russian — native · **Belarusian** — native · **English** — B1+/B2, working proficiency (in active study with a tutor)