Oleksandr Solomientsev

Quality Engineering Leader | Head of QA | Senior QA Manager

Remote (Moldova / Ukraine) • osolomientsev@gmail.com • +380 93 906 7266 • linkedin.com/in/alexander-solomentsev

PROFESSIONAL SUMMARY

Quality Engineering leader with 15+ years of experience building, scaling, and transforming QA organizations across healthcare, travel, automotive, telecom, IoT, and cloud-native products. Currently own quality across a portfolio of 8 healthcare products delivered by 5 cross-functional teams, with responsibility for a 15-person QA organization. Combines organizational leadership with hands-on engineering expertise across API/backend testing, automation, microservices, AWS, Python, and AI-assisted Quality Engineering. Builds practical AI solutions using local LLMs and Atlassian Rovo for semantic test coverage analysis, traceability, sprint health checks, and QA governance. Experienced in building QA organizations from scratch, driving cross-team process transformation, managing performance and staffing, and delivering quality processes in regulated environments including FDA-oriented healthcare and ASPICE automotive programs.

SELECTED LEADERSHIP IMPACT

- Own quality across 8 healthcare products and 5 cross-functional delivery teams, with responsibility for a 15-person QA organization.
- Built and scaled a QA function from 0 to 30 engineers in ~5 months, establishing hiring, onboarding, team structure, tooling, and testing processes.
- Conducted an account-wide QA audit identifying 43 improvement areas, including 16 Critical/High-priority gaps, and established a structured transformation roadmap.
- Designed and built a local-LLM-powered traceability agent analyzing ~1.6K stories and 25K+ Story↔Test Case candidate pairs to semantically validate requirement coverage with human review for ambiguous matches.
- Built Python automation that restored 2,555 broken legacy test references following TestRail migration, recovering historical requirement-to-test traceability.
- Delivered QA processes aligned with FDA-oriented SOPs and ASPICE SWE.5/SWE.6 requirements.

CORE COMPETENCIES

Quality Engineering Leadership • QA Strategy & Governance • QA Organization Building & Scaling • Quality Transformation • People & Performance Management • Process Audit & Improvement • AI-Assisted Quality Engineering • AI/ML Quality • Test Automation Strategy • Quality Metrics & Risk Management • Stakeholder Management • Shift-Left & CI/CD • Regulated Product Quality

TECHNICAL SKILLS

AI / LLM Engineering: Claude Code, Claude API, local LLMs, Atlassian Rovo, Python-based AI agents, agent context engineering, AI-assisted software development, semantic test coverage analysis, human-in-the-loop workflows, AI/ML product evaluation
Automation & Testing: Python, pytest, Playwright, Selenium, REST API testing, functional, regression and exploratory testing
Cloud & Infrastructure: AWS (EC2, CloudWatch, SQS, Pipelines, Secrets Manager)
Databases: PostgreSQL, MySQL, MongoDB, SQLite
Tools: Jira, Confluence, Zephyr, TestRail, Postman, Insomnia, Grafana, Git, BrowserStack, Charles Proxy
Ways of Working: SAFe, Scrum, Kanban, Shift-Left, CI/CD

WORK EXPERIENCE

DataArt Solutions, Inc. | 2021 – Present

May 2026 – Present

Account QA Manager / Senior QA Lead

Healthcare — Clinical Trial Planning & Budgeting Platform | 8 products | 5 cross-functional delivery teams | QA organization of 15

- Lead quality across a portfolio of 8 healthcare products, owning QA strategy, governance, people management, process improvement, and quality visibility across 5 delivery teams; report to the PMO Lead and Delivery Manager.
- Conducted an account-wide QA audit that identified 43 gaps across processes, planning, traceability, test coverage, metrics, tooling, and AI/ML quality, including 16 Critical/High-priority findings; established and now drive the remediation roadmap.
- Drive standardization of QA processes, SOPs, validation requirements, traceability practices, test management, and quality metrics across the product portfolio.
- Designed and built a local-LLM-powered semantic traceability system combining embeddings with LLM-based candidate validation to analyze ~1.6K stories and 25K+ Story↔Test Case candidate pairs, identify potential coverage gaps, and route ambiguous matches for human review; added dashboards, reporting, and Jira/Zephyr integrations.
- Developed Python automation that restored 2,555 broken legacy test references after TestRail migration, recovering historical requirement-to-test traceability.
- Built an Atlassian Rovo sprint health-check agent that identifies problematic stories, enablers, and defects and validates QA subtasks, linked tests, fix versions, and other mandatory delivery controls.
- Own QA people management including 1-on-1s, performance assessment, coaching, staffing decisions, and remediation of performance issues.
- Define evaluation and verification approaches for Generative AI, Classification, and Semantic Search products where traditional deterministic pass/fail testing is insufficient.

May 2024 – May 2026

Senior QA Lead

Healthcare — Patient Intake, Payments & Engagement Platform | Microservices | API | AWS | QA team of 5

- Led a 5-person QA team across manual and automation testing, aligning priorities, delivery activities, and cross-team workflows.
- Defined and executed testing strategies for a microservices-based healthcare platform serving major US healthcare providers.
- Built Claude-powered QA agents integrating Jira, Confluence, GitLab, and Bitbucket workflows: automated sprint test-plan generation from Jira scope and PR/MR review against acceptance criteria, including implementation coverage, automation-gap detection, risk analysis, and focused testing recommendations.
- Built Python tooling supporting test data generation, result validation, and traceability workflows.
- Applied Claude Code and AI-assisted development workflows for test automation, engineering tooling, analysis, and rapid prototyping.
- Monitored application and environment health using Grafana and AWS CloudWatch and contributed to shift-left practices and CI/CD quality gates.

QA Manager / PM
Dec 2021 – May 2024

Travel — US Loyalty & Reward Redemption Platform | Team of 30 | Microservices | Web | API | Mobile | AWS

- Built the QA function from scratch and scaled it to 30 engineers in ~5 months, owning hiring, onboarding, team setup, and performance management.
- Established QA workflows, retrospectives, coverage metrics, and tooling integrations to support rapid product growth and multiple client integrations.
- Defined end-to-end testing strategy across web applications, REST APIs, and iOS/Android mobile platforms.
- Built Python automation integrating TestRail and Jira APIs to generate Requirements Traceability Matrix reports and live coverage metrics.
- Provided delivery teams and stakeholders with visibility into high-priority test coverage and remaining effort required to reach target coverage.
- Used PostgreSQL and MongoDB for validation of loyalty transactions, account balances, and redemption data across the platform.
- Worked with AWS infrastructure during delivery and testing, including CloudWatch, CI/CD pipelines, and Secrets Manager.

Senior QA Engineer / QA Lead
Feb 2021 – Dec 2021

Healthcare — Regulated Cognitive Assessment Platform | Mobile | Web | FDA-oriented processes

- Built QA processes from scratch for a regulated healthcare product, establishing test strategy, documentation standards, and team workflows.
- Implemented QA practices aligned with FDA-oriented SOP requirements and maintained traceability between requirements and validation activities.
- Analyzed requirements early in the SDLC, identifying ambiguities and quality risks before implementation.
- Defined functional, regression, and edge-case coverage across iOS, Android, and web applications.
- Onboarded and mentored QA engineers joining the project.

Senior QA Engineer / QA Lead | MRS Electronics
Nov 2020 – Feb 2021

IoT EV Charging Station | Embedded | API

- Established QA processes from scratch, defining test scope, environments, workflows, and documentation.
- Tested firmware, hardware authorization, HMI workflows, and web-management APIs, including concurrent-user load scenarios.

Senior QA Engineer / QA Lead | Luxoft Ltd
Mar 2018 – Nov 2020

Automotive Cluster HMI | ASPICE | Embedded

- Led QA activities for an automotive HMI program covering navigation, driver assistance, and multimedia systems.
- Developed Integration and Test Plans compliant with ASPICE SWE.5/SWE.6, maintaining traceability from requirements through test execution.
- Acted as QA point of contact for the automotive client, coordinating requirements clarification, quality risks, and release readiness.
- Owned release-quality activities across multiple configurations and mentored QA engineers working across development and client teams.

Head of QA / Head of Branch | Wildix srl
Oct 2013 – Dec 2017

Unified Communications Platform | Telecom | SIP | Linux

- Led branch operations and managed a cross-functional organization of QA engineers and developers.
- Owned QA activities for a Unified Communications platform and supported complex enterprise issues using Linux and protocol-level analysis.

EARLIER EXPERIENCE

QA Engineer | Luxoft Ltd | Jul 2012 – Oct 2013 — Embedded automotive QA for Harman Becker; memory/performance testing and requirements/configuration management.

QA Engineer | Wildix srl | Jul 2011 – Jul 2012 — Unified Communications QA on Linux; VoIP, video, messaging, integrations, and SIP/network troubleshooting.

SELECTED ENGINEERING PROJECTS

Autonomous QA Agent (Personal Project) | Python · Playwright · Ollama · Local LLMs — Built an autonomous browser-testing agent that analyzes accessibility snapshots, generates and executes test cases in a real browser, and produces structured reports; implemented state isolation, destructive-action guardrails, preconditions, console/network monitoring, reusable test suites, run comparison, and human review. github.com/osolomientsev/AutonomusQAAgent

Multi-Landing Platform (Personal Project) | Django · Python · Docker · nginx · Claude Code — Built and operate a multi-site platform hosting multiple independent landing sites from a shared codebase and administration layer, with site-specific content/configuration, production deployment, automated tests, security controls, and integrations. Powers multiple live sites including mycv.ninjasloth.net.

EDUCATION & CERTIFICATIONS

Specialist, Computer Systems and Networks — Odessa State Academy of Refrigeration, 2005–2010

Claude Code in Action — Anthropic (Mar 2026) • Kanban Management Professional (KMP I & II) • Python from Zero to Hero + Python Beyond Intermediate — Codefinity • Relational Database and Normalization — Codefinity