

ANDRII KARABUTOV

AI Engineer / AI Orchestration Engineer

Ottawa, ON, Canada | andrii@karabutov.dev | linkedin.com/in/andrii-krbtv | Authorized to work in Canada

PROFESSIONAL SUMMARY

AI Engineer focused on AI orchestration, LangGraph workflows, RAG systems, and reliable LLM product features. Built a logistics route-intake AI workflow for Load Nova, combining structured extraction, retrieval-backed evidence, risk analysis, and dispatcher-ready recommendations. Brings 6+ years of QA automation and reliability engineering experience, with a strong habit of making AI systems testable, traceable, and safe to operate.

CORE SKILLS

AI Orchestration: LangGraph, RAG, structured extraction, recommendations, prompt/schema versioning, evals, LangSmith-ready tracing

Cloud & Backend: Google Cloud, Vertex AI, Cloud Run, TypeScript, Go, NestJS, Node.js, REST APIs, CI/CD, Docker

Data & Runtime: PostgreSQL, Prisma, Redis, BullMQ, Qdrant, event logs, durable job status, retries/timeouts

Quality & Observability: API testing, contract testing, Playwright, Jest, Go tests, CI/CD, Prometheus, Grafana, structured logs

Automation Background: WebdriverIO, Selenium/Selenide, Cucumber BDD, REST Assured, Pytest, Allure, ReportPortal

PROFESSIONAL EXPERIENCE

AI Engineer / AI Orchestration Engineer | Load Nova - AI Dispatcher Co-Pilot

Ottawa, ON, Canada (Remote) | Sep 2025 - Present

Built an AI route-intake workflow that helps dispatchers turn messy freight inputs into structured load data, risk evidence, and next-step recommendations.

- Built a LangGraph route-intake workflow that converts raw freight text into structured load details, validation findings, risk signals, and recommendations.
- Combined LLM extraction, Qdrant-backed retrieval, and deterministic backend checks so AI handles ambiguity while product services keep auth, tenant context, and route logic authoritative.
- Exposed the workflow through a secure product API and ChatGPT/MCP tool path, making the same AI analysis reusable from chat and product clients.
- Deployed production AI services on Google Cloud Run with Vertex AI; added async jobs, event logs, retries, timeouts, and partial responses.
- Added prompt/schema versioning, tracing metadata, deterministic eval cases, and runtime smoke tests to debug extraction quality and prevent regressions.

Stack: TypeScript, NestJS, LangGraph, Go, PostgreSQL, Prisma, Redis, BullMQ, Qdrant, Gemini, LangSmith, Prometheus, Grafana, Docker

Senior QA Automation Engineer | RevJet

Canada (Remote) | Mar 2022 - Sep 2025

Enterprise digital advertising platform. Led test automation architecture and CI/CD strategy for API and UI testing across the product.

- Architected and built an API test automation framework from scratch in TypeScript, reducing regression testing time by 70%.
- Expanded automated API coverage across 100+ endpoints, improving release confidence for a large advertising platform.
- Built a scalable UI automation framework with WebdriverIO and Cucumber BDD, improving test maintenance efficiency by 50%.
- Designed GitLab CI/CD pipelines with integrated quality gates for continuous testing across multiple environments.
- Implemented Docker-based test environments, reporting, and triage workflows that made failures easier to reproduce and resolve.
- Mentored junior QA engineers and established automation standards across cross-functional teams.

Stack: TypeScript, JavaScript, WebdriverIO, Cucumber, Jest, Mocha, GitLab CI/CD, Docker, Allure, ReportPortal

QA Automation Engineer | Alfa-Bank

Moscow, Russia | Jul 2021 - Mar 2022

- Led a Java/Gradle backend automation repository for REST, Apache Thrift, Kafka, PostgreSQL, MongoDB, and Elasticsearch-backed systems.
- Designed CI/CD pipelines and UI/API automation with Selenide, Selenoid, Allure, and ReportPortal.

Quality Assurance Engineer | Sberbank

Moscow, Russia | May 2020 - Aug 2021

- Built Java-based UI/API automation and test infrastructure for online banking web and mobile payment flows.
- Covered backend integrations and Oracle PL/SQL validations with Jenkins, Docker-based environments, and Allure reporting.

Quality Control Engineer | Performance Lab

Moscow, Russia | Jul 2019 - May 2020

- Built Python/Pytest REST API automation and Docker-based CI checks for a customer data platform.
- Tested API, web, database, and service-logic layers, including external service integrations.

EDUCATION

Bachelor's Degree in Business Informatics | Moscow Witte University | 2019 - 2023 | GPA: 4.7 / 5.0