

# Ruslan Akhmetvaleev

QA Automation Engineer (SDET) • Fintech & Payments

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## Summary

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QA Automation Engineer with 3+ years in banking and payments: I build backend test frameworks for SWIFT MT/MX (ISO 20022) and instant-payment systems in Kotlin and Python, and moved a team of manual testers to automation, cutting smoke and E2E testing from days to hours. On the side I design and ship full-stack products for small businesses with an AI-agentic workflow (Claude Code). Latest: a Telegram ordering and CRM app in Go used by a bakery's staff for several months.

## Work experience

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- **CMA Small Systems AB** Remote  
*QA Automation Engineer* June 2023 – Present
  - **BDD test framework:** Build and maintain a backend test framework in Kotlin with Cucumber/Gherkin, covering REST APIs, XML messaging, the access server and Oracle/MS SQL state. Wrote reusable steps in business language and onboarded a team of 6 manual testers to automation, so they compose scenarios themselves. This cut smoke and E2E testing across several projects from days to hours (about 4–6x faster).
  - **Payments domain:** Test instant-payment (IPS) and TMS/X products end to end: SWIFT MT and ISO 20022 MX messages, MX–MT conversion, interbank transaction flows and message-validation certificates. Built a Freemarker-based generator with reusable components that produces valid payment messages for test scenarios.
  - **CI & reporting:** Parameterized Jenkins pipelines for parallel runs and test-group selection, with detailed Allure reports so the team finds the root cause of a failure fast. Maintain the legacy Python/pytest suite (cx\_Oracle, requests) and its custom parallel runner; service mocking with WireMock.
- **alqa** Remote  
*Test Automation Engineer* Jan. 2023 – June 2023
  - **UI & API automation:** Wrote UI and REST API autotests in JavaScript (Mocha/Chai, WebdriverIO, Selenium) on a self-built framework using Page Object, BaseElement and BrowserFactory patterns; verified data in MySQL and third-party APIs (Google).
  - **CI:** Ran suites in Docker and Jenkins with scheduled, VCS-change and upstream-job triggers and HTML reports.
- **Revizor Vision** Remote  
*Computer Vision Engineer* Oct. 2022 – Dec. 2022
  - **Detection:** Collected and labeled a camera dataset (OpenCV, NumPy, Pillow), evaluated the company's detection model and modified its architecture in PyTorch.

## Projects

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- **Rahat Go – Telegram ordering app & CRM for a bakery** Mar. 2026 – Present  
*Sole developer • Go, PostgreSQL, JavaScript, Telegram Mini Apps, Docker* github.com/LicBoy/rahat-go-showcase
  - **Product:** Designed with the owner around his real workflow and used by the bakery's staff for 3+ months to run orders, inventory and daily stock. Customers order for pickup or delivery and pay by QR inside Telegram; staff manage the menu, process orders, sell walk-ins through a POS screen and track ingredient costs and margins.
  - **Engineering:** Single Go binary serving the bot, REST API and embedded web app; Telegram initData HMAC-SHA256 auth with roles and expiring invite links; self-migrating PostgreSQL schema; delivery pricing by road distance (OSRM) with geofencing; stock checks that prevent overselling at checkout; EN/RU/VI. White-label: a new business is a new deployment, not a code fork.

- **Agentic workflow:** Built with Claude Code: custom sub-agents (backend, frontend, bot, delivery) under an orchestrator, project context in CLAUDE.md, branch-per-feature with PR review (160 commits, 27 PRs). I owned architecture, review, debugging and releases; Docker on Railway with separate test/prod, GitHub Actions CI and health-check monitoring.

- **Chat-labeling automation (ML + Selenium)** 2023  
*Creator • Python, NLP, Selenium, JavaScript* [github.com/LicBoy/chatGPT-avito-solver](https://github.com/LicBoy/chatGPT-avito-solver)
  - Automated my own part-time data-labeling job: a Tampermonkey script collected my labeled chats, a text classifier was trained on them, and Selenium drove the labeling UI with the model's predictions.
- **Image super-resolution with GANs (thesis)** Oct. 2021 – June 2022  
*Author • PyTorch, TensorFlow* [github.com/LicBoy/thesis-SR](https://github.com/LicBoy/thesis-SR)
  - Compared classical and neural upscaling methods; trained SRGAN and ESRGAN on CelebA with tuned architectures and hyperparameters (including a low-resource setup) and evaluated 4x upscaling on real images with standard metrics.
- **Earlier projects** 2019 – 2021  
[github.com/LicBoy/2D-Game-Swiper-](https://github.com/LicBoy/2D-Game-Swiper-)
  - **Swiper**, an arcade mobile game in Unity/C# with my own sprites and animations, published on Google Play with AdMob ads. **P2P crypto trading bot** in Python that tracked prices through an exchange API and traded automatically, controlled from a Telegram bot.

## Skills

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- **Test automation:** BDD (Cucumber, Gherkin), Kotlin, Python/pytest, WireMock, REST API, Selenium, WebdriverIO, Mocha/Chai, Allure, Postman
- **Payments:** SWIFT MT, ISO 20022 (MX), MX–MT conversion, instant payments, XML
- **Development:** Go, Kotlin, Python, SQL; JavaScript, C# (familiar); PostgreSQL, Oracle, MS SQL; Telegram Bot API & Mini Apps
- **AI-assisted dev:** Claude Code (multi-agent workflows, custom sub-agents, CLAUDE.md), Cursor
- **CI/CD & tools:** Jenkins, GitHub Actions, Docker, Railway, Git, Jira, Bash
- **Machine learning:** PyTorch, TensorFlow, scikit-learn, CatBoost, OpenCV, NumPy
- **Algorithms:** 600+ LeetCode problems solved (340+ medium) – [leetcode.com/u/licman](https://leetcode.com/u/licman)
- **Languages:** English (professional working), Russian (native)

## Education

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- **Kazan State Power Engineering University** Kazan, Russia  
*Bachelor, Applied Mathematics* *Sep. 2018 – July 2022*
- **Innopolis University** Innopolis, Russia  
*Computer Science (1st year, then transferred)* *Aug. 2017 – June 2018*