Aleksandr Balaev

Junior AI Engineer

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Nitra, Slovakia. Open to roles in Bratislava or remote.



Junior AI engineer who builds software with AI agents and makes sure it works. I co-built Personal Exchange Bot with Claude Code agents: a production Telegram service that helps Russians abroad exchange rubles person to person. My background is in testing: ISTQB-certified, with hands-on QA work on uTest.

Project

Personal Exchange Bot

Sep 2026 – present

Co-developer in a team of two. Live: t.me/pfxybot. Private repository, demo on request.

Banks in Europe no longer exchange rubles, so people swapped them in chats full of scammers and pushed rates. The bot replaces those chats with structured offers, rate comparison, checks and ratings.

Python 3.14, aiogram 3, PostgreSQL, FastAPI, Docker, GitHub Actions, Claude Code

4,808	173	156	153 of 365
automated tests	screens	currencies	commits

- **Version one in two days.** Built the first working version end to end from the spec: database, bot, offer feed, deals and ratings, notifications, moderation, a FastAPI admin with two-factor login, Docker and tests.
- **Issue-driven AI agents.** One headless Claude Code agent per GitHub issue, in its own git worktree and a fresh session; issue labels set the model and effort (default Opus, xhigh). Each agent confirms its understanding in the issue, with sample screens, before coding, and hands off through plain-language comments. I built tooling for them: environment checks, a screen map, automatic session handoff. 103 of 327 merged pull requests are mine.
- **Test infrastructure.** Database fixtures, a bot test bench and end-to-end tests for a pytest suite that includes integration tests on real PostgreSQL and property-based tests with Hypothesis. CI runs ruff, mypy, pytest and gitleaks.
- **Trust and safety.** Encrypted deal-chat log, phone and Telegram account checks (account age, CAS and LOLS spam databases), weighted reputation, a risk score with moderator alerts, deal complaints.
- **Rates and languages.** Rates from ExchangeRate-API, BestChange, Revolut and Wise; amounts recognised in free text (“1000 euro”, “€1000”); Ukrainian localisation and language packs.
- **Interface and design.** Admin redesign, mobile version, System and Stats sections, ban management, and an Android admin app in Kotlin with Jetpack Compose.

Experience

QA Crowdtester

Jun 2026 – present

uTest, crowdtesting platform, remote

- Exploratory and functional testing of web and mobile apps for real clients.
- Reproducible bug reports with clear steps, expected and actual results; logs and HTTP traffic analysed in Fiddler and Charles Proxy.

Gaming Club Administrator

May 2021 – Jan 2023

Colizeum, Moscow

- Technical support for customers; maintained and updated gaming workstations and software.
- Ran the technical setup for CS:GO and Dota 2 tournaments.

Skills

AI engineering

Claude Code, agentic engineering, AI agent orchestration, agent tooling and session handoff

Shipped with

Python, aiogram 3, FastAPI, PostgreSQL, SQLAlchemy, Alembic, Docker, Caddy, GitHub Actions, Telegram Mini Apps, MapLibre, Kotlin, Jetpack Compose

Quality

pytest, Hypothesis, ruff, mypy, gitleaks, exploratory and functional testing, bug reporting, Fiddler, Charles Proxy, Jira

Learning now

Python, SQL, API testing

Certification

ISTQB Certified Tester, Foundation Level v4.0

CaSQB, September 2026

No. CTFL4-2026-02382-CASQB

GitHub Foundations (GH-900)

In preparation

Learning Jira (Cloud Edition)

Course: boards, JQL search

Education

Bachelor’s degree, English Studies

Constantine the Philosopher University in Nitra, Faculty of Arts

Sep 2023 – 2027 (expected)

Languages

English	B2
Russian	Native
Slovak	B1, full understanding