

LEONID SVYATOV

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PROFESSIONAL SUMMARY

Lead software engineer with 15+ years in Ruby, Python, TypeScript and Go. Largest contributor to Show-Score across its startup and TodayTix years. Builds AI-powered products and developer tools; owns architecture, delivery and operations. Hires and mentors distributed teams. Based in Yerevan, Armenia; available for remote roles.

WORK EXPERIENCE

Independent Software Consultant

Jan 2026 - Present

Lead Software Engineer · Remote

- Converted a crypto research prototype into a tested, monitored Python trading platform in six weeks as sole platform engineer, with eToro execution, database migrations and automated deployment.
- Engineered trading safeguards: position and loss limits, retry-safe order execution, stop-losses, broker reconciliation and an automatic kill switch, with a transaction ledger and operational alerts.
- Built Ouroboros, a self-improving software delivery system (TypeScript, Bun, Docker) based on spatiotemporal composability and Unix design principles. Use it daily to execute development tasks, diagnose failures and improve its own code, with automated tests and independent agent reviews.
- Built a Rails job marketplace for timber harvesting and a Telegram app for psychologist matching with integrated payments; launched an Astro website for a machinery repair business.
- Contributed a thread-safe cache fix and a 35% faster merge path to tailwind_merge, released in v1.5.2; submitted Data.define support to Steep and YARD.

Halo

Aug 2024 - Jul 2025

Senior Software Engineer · Chicago, US · Remote

- Served as one of five code owners on a seven-engineer team for an R&D marketplace connecting sponsors such as Bayer and PepsiCo with 3,000+ research institutions.
- Built an OpenAlex scientist-discovery pipeline with bulk ingestion, automated researcher profiles, OpenAI author disambiguation and Mistral OCR, enabling sponsor outreach to researchers.
- Built proposal-review reminder emails and in-app dialogs; unified notification delivery and added a Zapier API for scheduling outreach campaigns.
- Resolved all TypeScript errors in week two and added required CI checks for TypeScript and Sorbet signature drift; standardized API error handling to resolve four AppSignal incidents.
- Moved analytics scripts to a read replica, separating reporting queries from the primary database.

Ourea Systems

Feb 2024 - Aug 2024

Lead Software Engineer · Dubai, UAE · Remote

- Owned engineering and operations across four product lines and five servers, including Docker deployments, Ansible provisioning, CI/CD, secrets management and monitoring.
- Built an AI car-battery callout marketplace in three months: Rails, OpenAI WhatsApp intake, SMS supplier bidding, race-safe booking and retry-safe Twilio webhooks.
- Modernized 14 Python scrapers for about 5,000 insurance and investment policies with containers, automated deployments, stuck-job recovery and alerts.
- Built a fund-factsheet API in three weeks using OpenFIGI, PDF extraction and Llama classification; integrated it into the investment platform to cover funds missed by scrapers.
- Upgraded an LLM news-trading platform to Rails 7.1 and deployed its Python FastAPI execution service for Binance and Bybit.

TodayTix Group

Mar 2021 - Jan 2024

Tech Lead · New York, US · Remote

- Relaunched Show-Score in May 2021 after 11 months of pandemic hibernation, delivering a full redesign and restoring services as one of two engineers.
- Built review APIs and TypeScript widgets for TodayTix, LondonTheatre, New York Theatre Guide, partners and native apps within a shared Next.js monorepo.
- Removed 200,000+ lines of vendored frontend code and obsolete checkout and view layers; upgraded Rails from 5.2 to 6.1 while maintaining the live service.
- Relaunched paid memberships and member events, built sponsored show-page designs and revised the aggregate review score algorithm.
- Strengthened bot protection, parallelized CI across eight workers and tuned production monitoring to control observability costs.

InputHealth

May 2020 - Feb 2021

Senior Software Engineer · Vancouver, Canada · Remote

- Built a GitHub branch transition tool using PostgreSQL snapshots to reduce developer setup work when switching branches.
- Resolved critical issues in a Rails healthcare platform, improved release workflows and mentored engineers through code reviews and pair programming.

Show-Score

Oct 2015 - Mar 2020

Lead Software Engineer · New York, US · Remote

- Led architecture and hired and mentored the Russia-based engineering team.
- Built ticket checkout with Telecharge and Stripe, followed by Goldstar and London Theatre Direct integrations; launched paid memberships with prorated billing and ticket credits.
- Designed a shared architecture for New York, London and Birmingham; built peer-to-peer ticket matching and partner campaigns, including RENT: Live with Fox.
- Operated PostgreSQL replication, encrypted backups and two production server migrations; reduced activity reports from hours to minutes and upgraded Rails from 4.1 to 5.2.
- Continued maintenance after the full-time role ended, serving as sole engineer from Apr 2020 to Mar 2021 to reduce hosting costs and keep the service available.

Ourea Systems

Jan 2015 - Jun 2015

Senior Software Engineer · Dubai, UAE · Remote

- Built Rails APIs for portfolios, investments and policies, with role-based access.
- Automated fund-data collection, portfolio performance calculations and factsheet downloads from providers including the Financial Times and Zurich.
- Converted MongoDB models to PostgreSQL in two days with model tests passing; cut test runtime from about 350 to 40 seconds.

Earlier Experience

2010 - 2014

Full-Stack Engineering · St Petersburg, Russia

- Built Rails logistics software for shipments, pricing, balances and PDF reports.
- Built Yii/MySQL chat with scripted opening messages and multiple clients per operator.

SELECTED OPEN SOURCE

- **Ruby:** Maintain `sec_id`, supporting 16 securities identifier standards, and `clsx-ruby` and `clsx-rails`, with benchmarks showing 2 to 4 times the speed of Rails `class_names`.
- **Go:** Built `oz`, a CLI wizard generator, and `handrail`, a guardrail engine for Claude Code and Codex hooks with no runtime dependencies.
- **TypeScript and Python:** Built `devto-client` for the `dev.to` API and database-transactions, an interactive tutorial with 110 executable PostgreSQL and MySQL scenarios.
- **Maintainer tooling:** Built `oss-kit`, a 61-rule audit standard across 11 ecosystems; use trusted publishing, signed attestations and automated security checks for releases.

EDUCATION

Baltic State Technical University "VOENMEH" named after D.F. Ustinov

2005

Bachelor's degree, Missile and Space Systems Technology

CORE SKILLS

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|---|---|
| • Languages: Ruby, Python, TypeScript, JavaScript, Go, SQL | • Agents: Claude Code, Codex CLI, MCP, sandboxing, guardrails |
| • Backend: Rails, Sidekiq, FastAPI, SQLAlchemy, REST, GraphQL | • Infrastructure: Docker, Kamal, Ansible, AWS, DigitalOcean |
| • Frontend: React, Next.js, Hotwire, Astro, Tailwind CSS | • Delivery: GitHub Actions, CircleCI, CI/CD, monitoring |
| • Data: PostgreSQL, MySQL, SQLite, Redis, Typesense | • Testing: RSpec, pytest, Vitest, Playwright, Cypress |
| • AI: OpenAI, Mistral OCR, Groq, OpenRouter, structured output | • Quality: Sorbet, RBS/Steep, strict TypeScript, Ruff, Pyright |

LANGUAGES

English (fluent), Russian (native)