

Elena Gusarevich

Python Automation Engineer | SDET | Bot Architect

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PROFESSIONAL SUMMARY

Python Automation Engineer with **2+ years of commercial experience** in high-load systems and data extraction. I specialize in solving complex engineering challenges: bypassing **Cloudflare/Incapsula**, architecting distributed Telegram bot ecosystems, and building self-healing parsing pipelines. Background in technical leadership (ex-Team Lead) ensures I deliver maintainable, documented, and business-oriented code.

TECHNICAL SKILLS

Core: Python 3.10+, AsyncIO, OOP

Automation: SeleniumBase (UC Mode), Playwright

Bots & Backend: Aiogram 3, Telethon, FastAPI

Infra & DB: Docker, Linux (Systemd), MongoDB, PostgreSQL

Data Processing: Pandas, Google Sheets API, JSON/XML

Tools: Git, Postman, Chrome DevTools (Network Analysis)

WORK EXPERIENCE

Python Automation Engineer | Backend Developer

Private Practice / Independent Automation Lab

Jan 2024 – Present

- Architected High-Load Ecosystem (9,000+ users):** Built a cluster of 3 interconnected Telegram bots. Implemented fuzzy-matching algorithms to filter job postings from 20+ channels with >80% accuracy.
- Infrastructure Management:** Deployed production environments on Linux VPS using Docker containers with automated log rotation and CI/CD elements.
- Data Engineering:** Developed ETL pipelines for US automotive auctions, scraping data from dynamic JS-heavy websites and PDF documents directly into structured reports.

Art Lead 3D | Senior Technical Artist

NDA (Online PC Game) / Various Game Studios

Jan 2022 – Oct 2024

- Automation Scripts:** Developed Python tools for Blender/Unreal Engine to batch-process assets, reducing manual routine by 30%.
- Leadership:** Managed a cross-functional team of 15 specialists. Responsible for hiring, task estimation, and technical documentation.

** Prior to 2022: Successful career in Design Engineering & Art Management (Full history available on LinkedIn).*

KEY PROJECTS

SMS Verification & Anti-Bot Bypass System

SeleniumBase, Manifest V3, API

2025

- Engineered a solution to bypass **Cloudflare & Incapsula** using custom Chrome Extensions for proxy auth.
- Automated registration flows on React SPAs with 99% success rate by emulating human input events.
- Integrated SMS-activate APIs to solve Captchas and verify phone numbers automatically.

Ritma - FemTech Product (Telegram Bot)

Python, MongoDB, Docker

2024

- Full-cycle product development: Complex backend logic for cycle tracking (timedelta), secure partner-linking via tokens, and medical PDF report generation.
- Implemented background task queue (JobQueue) for timely user notifications.

EDUCATION

Russian Academy of Crafts

2013 – 2014

Artistic Forging (Third-class Artisan)