

Andrey Ivanov

Lead Developer / Systems Architect (Python / C++)

Expected Income: from 180,000 ₺

Stack: Python (Core, Automation), C++ (Qt), SQL, Linux (Astra).

Repository: <https://github.com/Biopolitek/my>

Key Expertise

Engineering Foundation: 10+ years of experience in designing and developing complex systems (C++/Qt, Python). (p. 1)

- **System Migration:** Unique case of migrating and adapting software (1000+ modules) to meet **Astra Linux** requirements. (p. 1)
- **AI-Driven Development:** Utilizing LLM tools (GPT-4, Cursor) for significantly accelerating code writing, refactoring, and auditing.
- **Product Quality:** Hands-on experience in field testing and verification of complex corporate systems in real-world operating conditions (Ozon). (p. 2)

Work Experience

Ozon Group / Ozon Bank

September 2022 — Present (3 years 5 months) (p. 2)

Position: Customer Support Specialist / Specialist

Operational Support: Full cycle of inventory flow and logistics management (receiving, inventory, dispatch). (p. 2)

- **User Acceptance Testing (UAT):** Proactively participated in testing new corporate software features for pick-up points before mass deployment.
- **Feature Verification:** Verified software correctness at the request of the dev team (live debugging); confirmed bug fixes before release.
- **Defect Localization:** Identified and described error scenarios in UI and warehouse logic not caught by automated tests.
- **Collaboration with Dev Team:** Provided detailed feedback to developers for refining and debugging critical issues in real environments.

JSC "CULLON" Research Institute

December 2015 — December 2021 (6 years 1 month) (p. 1)

Position: Lead Software Engineer

Design & Architecture: Designed and developed key modules for fault-tolerant systems using C++/Qt (4.x, 5.x). (p. 1)

- **Import Substitution (Astra Linux):** Successfully adapted and fully rebuilt a large software suite (1000+ source files) for Astra Linux OS. (p. 1)
- **Mentorship:** Conducted Code Reviews, coordinated a group of programmers, and monitored compliance with technical standards.
- **Result:** 6 years of stable system maintenance and development without critical failures.

Current Projects

Project "Chimera" (Python / R&D)

- Developed a high-precision decoder for graphical layouts using geometric data analysis algorithms.
- Implemented project architecture using modern AI methodologies (Prompt Engineering).

Technical Stack

- **Languages:** Python (Automation, Core), C++ (Qt 4/5).
- **Environment:** Astra Linux, Ubuntu, Windows, Git, Docker.
- **Skills:** Architectural design, systems analysis, AI-assisted coding, UAT testing.

Education

MSUPI (MTU) — Specialist (Engineer), Precision Instruments and Information-Measuring Systems.