

JURIJS SATALOVS

Python Backend Software Engineer | Systems Analyst

Riga, Latvia (Citizen of Latvia) | Open to Remote (Worldwide / Europe)

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Mirror CV: cv.mcp-service.eu | resume.mcp-service.eu

SUMMARY

Result-oriented Software Engineer and Systems Analyst with a solid background in Computer Engineering and Financial Management. Expert in building high-performance, asynchronous backend applications using Python 3.13, FastAPI, and PostgreSQL 17. Proven track record in designing complex information systems, financial modeling (UNIDO), and bridge-building between business requirements and technical implementation. Former CEO with strong leadership and analytical skills.

Thrives in **async-first**, **documentation-driven**, and **text-based remote workflows**. Highly skilled in **asynchronous communication**, writing comprehensive technical specifications (TOR), and independent problem-solving within distributed international teams.

TECHNICAL SKILLS

- **Backend & Core:** Python 3.13, FastAPI, Pydantic, asyncio, uvloop, multiprocessing, threading
- **Databases & ORM:** PostgreSQL 17, SQL, SQLAlchemy, asyncpg, aiopg, Peewee, DuckDB, SQLite
- **Data Processing & Analytics:** Polars, Pandas, PyArrow, Prefect, Openpyxl, Tablib
- **Asynchronous Task Queues:** Redis (redis-py/aioredis), RabbitMQ (aio-pika), Celery
- **API & Protocols:** REST API, WebSockets, HTTPX, Aiohttp, Requests
- **DevOps & Cloud:** Docker, Docker Compose, Prometheus, Heroku, Neon, Azure, Timeweb, Selectel
- **Frontend & Languages:** JavaScript, TypeScript, HTML5, CSS3
- **Testing:** Pytest, Unittest
- **Work Methodology (ATS Tags):** Async-first workflow, Asynchronous communication, PR-driven code reviews, Remote-first collaboration, Technical writing & Documentation.

PROFESSIONAL EXPERIENCE

SIA Finlab (Hroft) (Riga, Latvia) — *Systems Analyst / Python Developer*

January 2020 – Present

- **Backend Development:** Designed and built scalable backend services and automated pipelines for B2B customers (Fabrique, M8fintech, Tensor Kreiss) using Python, FastAPI, and asyncpg.
- **Systems Analysis:** Conducted surveys, collected requirements, and drafted detailed technical specifications (TOR) for complex information systems in the trading and accounting sectors.
- **Financial Modeling:** Developed and implemented automated cash flow analysis and financial modeling software for investment projects strictly aligned with UNIDO recommendations.
- **Business Consulting:** Consulted enterprises on anti-crisis management, successfully optimizing and restructuring client business processes via architectural software improvements.

Clover Management Kaliningrad LLC — *CEO / Owner's Representative*

October 2009 – November 2019

- Managed a large-scale commercial real estate portfolio, including a business center, shopping mall, underground parking, and a Radisson Blu 4+ hotel.

- Oversaw strategic operations, financial reporting, and technical infrastructure development.
- Developed deep expertise in quantitative-sum accounting and commercial business processes, which now guides system design and architecture layouts.

PROJECTS & REPOS

- **Enterprise Management System (Production):** Live service and automated dashboard.
Admin Panel: mcp-service.eu | API Swagger Docs: mcp-service.eu | Monitoring Dashboard: grafana.mcp-service.eu
- **Notification Service (Backend):** Asynchronous notification distribution engine.
GitHub (Upon request): github.com/Notification-service

EDUCATION & CERTIFICATIONS

- **Master's Degree in Software Engineering** — Riga Aviation Institute | Faculty of Automation and Computer Engineering
- **Master's Degree in Financial Management** — Financial University under the Government of the Russian Federation | Faculty of Banks and Credit
- **Professional Certificate: Python Immersion (Advanced)** — Moscow Institute of Physics and Technology (MIPT) via Coursera | 2021

LANGUAGES

- **English:** Professional Written / **Advanced Async & Text Communication** (B1 Intermediate). Focused on written-first engineering cultures, technical documentation, and chat-based team alignment.
- **Russian:** Native
- **Latvian:** A2 (Elementary / Conversational)