

JURIJS SATALOVŠ

Python Backend Software Engineer | Systems Analyst

- Riga, Latvia (Citizen of Latvia)
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 - [GitHub: js18user](#) | □ [Live Project Docs](#)
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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.

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/aio-redis), 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
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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

- **Notification Service (Backend):** Asynchronous notification distribution engine.
□ *GitHub (Upon request):* <https://github.com/Notification-service>
 - **Enterprise Management System (Production):** Live service and automated dashboard.
□ *Admin Panel:* <https://mcp-service.eu> | □ *API Swagger Docs:* <https://mcp-service.eu>
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EDUCATION & CERTIFICATIONS

- **Software Engineer (Higher Education Diploma)**
Riga Aviation Institute | Faculty of Automation and Computer Engineering
 - **Financial Management (Higher Education Diploma)**
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
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LANGUAGES

- **English:** B1 (Intermediate / Professional Working)
- **Russian:** Native
- **Latvian:** A2 (Elementary / Conversational)