



Jyri Gromyko Lintunen

Full-Stack Developer · Python, integrations and data

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9+
years building software

100+
delivered projects

Open to new projects

PYTHON DEVELOPMENT AS A SUBCONTRACTOR

Python back ends, integrations and data

Python systems that are in production today: sales automation, bookkeeping automation and a quoting pipeline that uses computer vision. In each I owned the architecture, the code and the deployment.

Engagement: Invoiced by the hour through my own company, GG Solutions Oy (Finland), on IT2018 terms or your subcontracting agreement. Remote, or hybrid from Helsinki.

PYTHON PROJECTS

B2B CRM & lead automation

2026 to present

Architect & sole developer · In production

Lead acquisition, enrichment, campaign sequences and a sales pipeline on one platform

- **A campaign engine:** multi-step sequences, message variants with A/B testing (multi-armed bandit), condition-based branches, automatic actions and recipient enrollments.
- An enrichment chain where every contact passes through paid and free sources (PDL → Hunter → ZeroBounce → Gemini) until it has a verified, deliverable email address and a reasoned company context.
- **Container-free production deployment:** systemd + Nginx + native PostgreSQL. Development runs on Podman Compose with local overrides.

39+ domain models

Python Flask 3.1 SQLAlchemy 2.0 PostgreSQL 16 React 19 Vite 8 Celery Redis Telegram API Gemini

Automated accounting system

2026 to present

Architect & developer · In daily use

End-to-end bookkeeping automation for a sole trader, a limited company and a personal account.

- Automatic receipt collection through the Gmail API (OAuth2), email-to-PDF conversion, and matching each receipt to the right transaction by amount, date and counterparty.
- **Idempotent publishing into Firefly III:** transactions are keyed by external_id, so re-running never creates duplicates. The Finnish chart of accounts is mapped to Firefly categories, budgets are read from a Google Sheets plan, PDF receipts are attached to their transactions.

3 ledgers (OY / TMI / personal) 2 banks integrated 0 duplicates (idempotent)

Python Gmail API Google Sheets API Nordea Holvi Firefly III SQLite Gemini openpyxl Chrome headless

SKT quoting software: computer vision for job costing

2026 to present

Architect & developer · Active client project

Building assessment and window-cleaning cost estimation for the Helsinki metro area

- **A 10-phase pipeline:** Oikotie scraper (cards, details and photos) → Digitransit geocoding → Google Street View (URL-signed) and Mapillary → Claude Sonnet Vision → man-hour formula v2.0 with a v3.0 refinement → a proposal from a single command.
- Cost tracking for every LLM call with its own self-test, so the price of vision analysis stays visible before a run is scaled to hundreds of targets.

10 pipeline phases 584 management offices

Python 3.11 Claude Sonnet Vision Google Street View Mapillary Digitransit SQLite Streamlit Docker

LIBRARIES AND TOOLS

gromi-core: shared Python core library

A multi-provider LLM client (Claude, Gemini) with cost tracking, forced JSON completion and retry/fallback logic; structured JSON logging; layered configuration (env → .env → pyproject); tenacity decorators tuned for LLM APIs.

Python Claude API Gemini API tenacity GitHub Packages

gromi-prompts: versioned prompt registry

Prompts are versioned artefacts rather than strings buried in code: YAML metadata, a version history and test cases that a CLI runs as evals and compares across versions.

Python JSONL evals YAML CLI GitHub Packages

Personal Advisory Council

2026

A self-hosted multi-AI advisory board that evaluates decisions in parallel

Python 3.12 FastAPI SQLAlchemy 2.0 openai-agents SDK LiteLLM

Shared development infrastructure

One Docker stack (MySQL 8, Redis 7, Mailpit) serving every project on a shared network: databases are created by script, each project joins the external network, and its launcher brings the infrastructure up automatically if it is not already running.

Docker Compose MySQL 8 Redis 7 Mailpit Bash

TECHNICAL SKILLS

Core Working

Backend

Python Django Flask PHP Laravel REST API SQLAlchemy WordPress / WooCommerce FastAPI Node.js Celery

Databases

PostgreSQL MySQL MariaDB SQLite Redis SQL-massakäsittely

Data & integrations

Gmail API Google Sheets API Telegram Bot API / Telethon XML / CSV / XLSX ETL WooCommerce REST Web scraping Proxy-rotatio Google Calendar API

Infrastructure & deployment

Docker / Compose systemd + Nginx Linux Git Playwright Selenium Podman Google Cloud AWS CI/CD

AI & data

Claude API Gemini API Vision-analyysi Prompt-versiointi & evalit OpenAI API openai-agents SDK LiteLLM NLP RAG

EXPERIENCE

Entrepreneur & Full-Stack Developer

2017 to present

Gromyko Jyri Tmi. / GG Solutions Oy · Helsinki, Finland

My own sole trader business and limited company. I own client projects end to end: scoping, architecture, implementation, production rollout, maintenance and invoicing.

- Full-stack applications and SaaS products: React / Vue.js front ends, Python, Django, Laravel and Flask back ends, PostgreSQL and MySQL databases.
- API and database architecture: REST APIs, multi-step migrations, bulk SQL processing and synchronisation with POS and ERP systems.
- LLM-backed production systems: Claude and Gemini integrations, vision analysis, a versioned prompt registry with eval runs, per-call cost tracking.

Military service · Finnish Defence Forces, Jaeger Brigade, Sodankylä, Northern Lapland (6 months)

HOW I WORK

Idempotency by default

Re-running an accounting job, a product sync or a lead import must never create duplicates.

Evidence before assertions

Nothing is declared done until the tests have run and the output has been read.

AI as a tool, not a shortcut

LLM calls are versioned, tested and cost-tracked.

EDUCATION

Bachelor of Science, AI in Business · IU International University of Applied Sciences · 2024 to present · Distance learning
9+ years of production code · Self-taught & practice · 2017 to present

LANGUAGES

Finnish native · English fluent · Russian advanced · Swedish beginner

REFERENCES

“Jyri built the tilasa.fi website for Tilasa back in 2018. It still runs in 2026. I recommend Jyri for his expertise and the quality of his work.” Jussi Jokinen, Tilasa Oy
“Delivers what he promised, on time and with care. Thank you!” Miika Junttila, Peer Car Share Oy