



Jyri Gromyko Lintunen

Full-Stack Developer · LLMs and computer vision in production

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linkedin.com/in/jyri-gromyko

9+

years building software

100+

delivered projects

[Open to new projects](#)

AI ENGINEERING AS A SUBCONTRACTOR

Language models and computer vision in production

AI in production, not experiments: computer vision for job costing, parallel agents and prompts versioned in a registry and the cost of calls logged. The same discipline fits your project too.

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.

AI PROJECTS

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.
- LLM extraction of property-manager details from free-form text, import of a list of 584 property-management offices and matching against the existing quote database.
- 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 1,7 GB of imagery to analyse 584 management offices

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

Personal Advisory Council

2026

Architect & developer · Working prototype

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

- **A five-stage workflow:** ingest → an architect agent proposes the council → interactive editing → parallel execution → peer review and synthesis.
- **A Docker Compose stack:** FastAPI back end, React front end, a LiteLLM proxy, ChromaDB for vector search and an optional Telegram bot.

8 agent personas in parallel 5 workflow stages

Python 3.12 FastAPI SQLAlchemy 2.0 openai-agents SDK LiteLLM ChromaDB React 19 Tailwind 4 Docker Compose
Telegram

B2B CRM & lead automation

2026 to present

Architect & sole developer · In production

A sales system where AI handles the mail: every campaign reply is labelled and summarised, and a draft answer is prepared in the same thread.

- **Inbound triage:** rules drop the noise, a language model judges the rest, and leads are registered in the system without manual work.
- **Company dossiers with Claude Opus:** every claim points to its source by id, and the report comes out as a finished PDF.

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

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

myaitools: a self-growing tool library

Implements the LATM loop ("LLMs as Tool Makers"): recognise → specify → build → test → document → register → use.

- Python
- Bash
- Claude Code hooks
- JSON manifest
- pytest

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

AI-agent contract and learning pipeline

A single binding operating contract (AGENTS.md) mirrored to every AI coding tool (Claude Code, Copilot, OpenCode, Cursor, Windsurf, Codex, Aider) so the work stays repeatable regardless of which tool does it.

- Markdown
- Obsidian
- Node.js
- Python
- ADR

TECHNICAL SKILLS

- Core
- Working

AI & data

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

Backend

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

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

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.

- LLM-backed production systems:** Claude and Gemini integrations, vision analysis, a versioned prompt registry with eval runs, per-call cost tracking.
- 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.

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

HOW I WORK

AI as a tool, not a shortcut

LLM calls are versioned, tested and cost-tracked.

Evidence before assertions

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

Architectural decisions get written down

Every non-obvious choice ends up in an ADR file: what was decided, which alternatives were weighed and why.

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