

# Marcin Zawadzki

Senior Software Engineer

Wrocław, Poland  
+48 605 763 567  
kontakt@cinal.pl  
www.cinal.pl  
in zawadzkiMarcin  
cinal

## Professional Summary

Senior Backend & Data Engineer with 18+ years building large-scale production systems across pharma R&D, genomics, creator marketplaces, and enterprise platforms. Specialized in Python, AWS, and Snowflake; recent focus on applied AI, shipping LLM-backed features and ML-supported workflows into real products. Track record of architecting scalable backends, owning data workflows end-to-end, and partnering with Data Science to deliver features that drive measurable business impact.

## Experience

2024 Dec – Present **Software Developer, RITS**

- Architected Python + Snowflake backend for a global pharma client's clinical-trial reporting platform; statistical result tables previously assembled manually now generated end-to-end.
- Built AI-assisted data-processing workflows in production; integration patterns reused across pipelines.
- Owned design decisions and end-to-end data flow with Data Science and analytics teams.

2021 Dec – 2024 Dec **Software Developer, Holisticon**

- Built data platform for a pharmaceutical client enabling real-time exploration of genomics signals on multi-terabyte parquet datasets.
- Designed MLOps pipelines processing large genotype datasets with Dask; enabled Data Science to generate research cohorts on demand.
- Owned backend services, APIs, and data flows; deep Python (pandas, NumPy).

2015 May – 2021 Nov **Software Developer, Pollen**

- Early engineer on an invite-only creator marketplace that scaled to 35k+ creators.
- Owned core backend (Python/Django, GraphQL, REST), API layer, schema design, and migrations.
- Integrated payments, OAuth2, CRM, and external CSV/XML/SOAP systems.

2006 Jul – 2015 May **Software Developer, NetTeam Solutions**

- Nine years delivering enterprise software for energy, telecom, and logistics sectors.
- Architected a high-scale billing and reporting platform serving 100M+ devices and 30M+ end-users.
- Owned database design, reporting engines, and backend automation at enterprise scale.

## Projects

Side project **Training Analytics App**

- Designed and built a mobile + backend system for tracking and analyzing training sessions (Flutter + FastAPI + AWS).
- Implemented data models and analytics for performance tracking.
- Experimenting with AI-based analysis and recommendation features.

## Education

2001 – 2006 **Information Systems Engineering, CS & Electronics, Technical University of Wrocław**

## Certifications

- 2025 AWS Certified Developer - Associate
- 2025 Snowflake SnowPro Core

## Skills

- Backend Python (FastAPI, Django, Flask), PHP, SQL, async / event-driven architectures
- Data & AI Pandas, NumPy, Dask, data pipelines, LLM integration, enterprise search (Sinequa)
- Cloud AWS (Lambda, S3, RDS, CDK, CloudFormation), Snowflake, Azure
- Databases PostgreSQL, Snowflake, Redis, MongoDB, MySQL
- Infra Docker, Terraform, CI/CD, GitHub, GitLab, LocalStack, RabbitMQ
- Testing Unit & integration tests, TDD, Cypress
- Languages English (Proficient), German (Basic)