

Dominik Cichon

Senior AI Engineer | Agentic Systems, Growth Automation & Integrations

Hamburg, Germany dominik-cichon.de LinkedIn
EU citizen | Eligible to work across the EU and Switzerland

EXPERIENCE

Senior Machine Learning Engineer - OTTO GmbH & Co KG

Jan. 2024 - Present

- Build and operate an agentic GenAI partner assistant with RAG and tool use in Azure.
- Implemented Arize Phoenix tracing plus structured logging and cost, error, and latency monitoring.
- Reduced incidents by 20% and per-request cost from €0.06 to under €0.02 by simplifying workflows, removing redundant steps, and adopting newer, lower-cost models.
- Establish security, compliance, and answer-quality controls for production LLM workflows.

Senior Data Engineer ML - Everstores Technologies GmbH

Feb. 2023 - Dec. 2023

- Built a reusable production ML framework with Vertex AI, DVC, and Kubeflow in a fast-paced startup.
- Shipped demand, revenue, and acquisition-price forecasting pipelines.
- Integrated AI chat into brand-management dashboards.
- Operated Dagster, dbt, BigQuery, and web-scraping workflows across growth use cases.

Expert Data Developer - Bonprix GmbH & Co. KG

Jun. 2020 - Jan. 2023

- Developed and deployed a production recommendation model for e-commerce.
- Built GCP ML pipelines with Python, Vertex AI, Argo, Kubeflow, MLflow, and Kubernetes.
- Migrated recommender and data-science workloads from PySpark/Hadoop to Vertex AI.
- Designed CI/CD and a managed development environment; trained data scientists on the platform.

Analytical Consultant - Google Germany GmbH

Aug. 2019 - Jun. 2020

- Improved paid-media performance through product, measurement, experimentation, and data consulting.
- Used causal-impact analysis and market research to evaluate growth opportunities.
- Built ETL workflows and internal and client-facing performance dashboards.

Manager User Analytics - Xing SE

Oct. 2014 - Jul. 2019

Built ML and analytics systems for lifecycle-email targeting, experimentation, tracking, ETL, news classification, and product decision-making.

EDUCATION

M.A. Management & Entrepreneurship - Leuphana University of Lüneburg

Grade 1.9

B.A. Business Administration - IBA University of Cooperative Education

Grade 1.6

SELF-EMPLOYED AI & GROWTH PRODUCTS

Agency Web Manager

frub.ai

Built a multi-tenant AI website-intelligence platform; ERGO Versicherung became its first customer. Its tenant-gated agent creates AI-triaged GitHub issues from bug reports. Per-call token/cost records, versioned prompts, audit logs, health alerts, and runbooks provide traceability.

OpenAI · Gemini · AI Gateway · Cloudflare Workflows & Queues · Neon · R2 · Vectorize

ImmoBildKI

immobild-ki.de

Built a production platform for bulk real-estate image optimization, plus an AI pipeline that generates image and video content and schedules LinkedIn and Facebook posts.

TypeScript · Gemini · OpenAI · Cloudflare Workers · D1 · R2

Quest Hero

quest-hero.de

Built a location-based outdoor treasure-hunt game for children (110 sold), plus an AI pipeline that generates image and video content and schedules Instagram and Facebook posts.

TypeScript · Gemini · Cloudflare Workers · Queues · R2

AI Book Generator

Built an end-to-end AI system that generates complete, ready-to-publish children's books with full stories, layouts, illustrations, and sales copy. Books created with it have sold 256 copies.

Tweeter

@btc_bottom_top

Built an automated X publishing pipeline that generated and posted daily Bitcoin market updates using Kraken candle data, deterministic drafts, scheduling, and API publishing.

TECHNICAL SKILLS

Agentic AI & LLMs	RAG, tool/function calling, structured outputs, agent chaining, quality evaluation, OpenAI, Gemini, Azure AI Foundry, PydanticAI, LangGraph, DSPy, Vercel AI SDK on Cloudflare Workers, Semantic Kernel, LangChain, LlamaIndex
Programming & APIs	Python, TypeScript/JavaScript, REST APIs, webhooks, authentication, error handling, retries, rate limits, FastAPI, Flask
Orchestration	Custom orchestration, Cloudflare Workflows and Queues, Airflow, Dagster, Argo, Prefect, Kubeflow, dbt
Growth & Data	Paid-media measurement, lifecycle messaging, social publishing, SEO/GEO, content automation, experimentation/A/B testing, recommendations, BigQuery, PostgreSQL/Neon, D1, Redis, event tracking
Cloud & Delivery	Azure, GCP, Cloudflare Workers/Pages/R2/Vectorize, Docker, Kubernetes, Terraform, GitHub Actions, GitLab CI
Languages	German (native), English (fluent)