

MATTEO BASSI

AI TECH LEAD · AGENTIC SYSTEMS & APPLIED AI

Zürich area, Switzerland (Swiss C permit) · matteo-bassi.dev · linkedin.com/in/matteo-bassi · github.com/MBassi91

■ PROFILE

AI Tech Lead with 9+ years across applied AI, data science, and consulting, leading agentic AI system design within the AI Center of Excellence of a leading luxury retailer. I ship production AI systems end-to-end on GCP, including a translation agent saving **~€1M per year** and a Customer Data Platform that drove **€1M+ in incremental sales** (validated by a year-long A/B test), and I own the company's agentic framework from architecture through dev/prod rollout. Quantitative foundation (MSc Quantitative Finance, MPhil Statistics), with a parallel track as an independent consultant building revenue-generating AI solutions and platforms for SME clients.

■ WORK EXPERIENCE

AI Tech Lead · a leading luxury retailer, Zürich

JAN 2023 - PRESENT

- Rolled out the company's internal AI platform and lead the technical rollout of the agentic framework across a hybrid stack (Microsoft Copilot Studio / Teams for citizen agents; custom MCP servers and Google ADK on GCP for the pro-code track), owning all coded agents end-to-end: architecture, development, deployment, and user management.
- Designed agents that generate deterministic automations on internal MCP servers: recurring tasks are compiled out of agent loops into a reusable automation library that grows with usage, governed by a dev/staging/prod approval pipeline of my design.
- Built a translation agent in production since 2024, saving **~€1M per year**.
- Led the technical implementation of an image-recognition tool for store windows, in rollout across an initial **30 stores** and scheduled to extend to the full global store network.
- Built and evolved image-generation tools for design, marketing, and sales across three model generations (LoRA fine-tunes of Stable Diffusion 1.5, a fine-tuned SDXL still in production by user demand, Gemini image models now in rollout); **30K+ images generated over 3 years**, 40 active users scaling to 80.
- Developed and rolled out a B2B lead-generation tool, live for a year and now in its second major version.
- Drove AI-assisted engineering adoption company-wide: rolled out Claude Code with best-practice standards from **8 to 30 engineers** across all programming teams, alongside Vertex AI integration.
- Act as company-wide advisor on all AI topics, including quality-gating external consultant deliverables and earlier GenAI foundations (RAG systems, a contract-compliance document analyzer, AI Model Hub on GCP).

Data Scientist / Product Lead · same employer, Zürich

JUN 2020 - DEC 2022

- Led development of the Customer Data Platform on GCP, driving **€1M+ in incremental sales**, validated through a one-year A/B test.
- Built the company-wide customer segmentation model, deployed internationally including on-site development in China to satisfy data-residency constraints.
- Designed the customer engagement score as my first project; it remains a key CRM metric five years on.
- Developed KPI frameworks for the customer service and finance teams; built demand-forecasting models and productionized data pipelines feeding automated dashboards.

Data Analyst · a global travel-technology group, Zürich

MAR 2018 - MAY 2020

- Predictive analytics for hotel demand forecasting and dynamic pricing; built interactive Tableau and Power BI dashboards used across commercial teams.
- Designed Snowflake table structures and supported data migration during the integration of three merging companies.

Technology & Strategy Analyst · a strategy consulting firm, Milan

SEP 2016 - FEB 2018

- Advised financial-services clients on data strategy and AI-driven automation opportunities.

■ INDEPENDENT CONSULTING & VENTURES (2019 - present, alongside employment)

- **Pharmaceutical client:** travel-vaccine market analytics (Power BI / DAX) and predictive modeling across multiple engagements.
- **Italian SME (services):** designed and built AI solutions currently generating **€8K+/month** for the client.
- **Italian SME:** designed and built a multi-tenant online platform end-to-end to the client's specification; now fully client-hosted and generating **€50K/month in revenue**.
- **Acquisition support:** drafted the business plan and built the financial forecasting supporting a food-industry acquisition.

■ EDUCATION

MPhil, Statistics

MSc, Quantitative Finance · 110/110

BSc, Economics

■ LANGUAGES

Italian (native) · English (fluent) · German (B1)

■ SELECTED PERSONAL PROJECTS

- **LLM fine-tuning:** two fine-tunes of open-weight MoE models (Gemma family): curated-dataset SFT, then SFT + DPO with agent-generated preference data, trained on cloud H100s (RunPod).
- **Local inference lab:** self-built eGPU setup (OCuLink) serving quantized open-weight models; hands-on with quantization trade-offs and MoE architectures.
- **Privacy-first baby monitor:** self-hosted architecture design, end-to-end local processing.

■ TECHNICAL SKILLS

Agentic AI: Google ADK, MCP server design & production standards, multi-agent orchestration, agent evaluation, dev/prod promotion patterns

GenAI engineering: fine-tuning (LoRA on diffusion models; SFT + DPO on LLMs), RAG, evals, prompt/context engineering, Claude Code, Vertex AI, local inference

Cloud & data: GCP (Vertex AI, Firestore), data pipelines, Power BI / DAX, Tableau

Programming: Python, SQL, JavaScript/TypeScript (React, Next.js), including reviewing and hardening AI-assisted codebases