

MELVIN ZERIGUE

ENGINEER & FOUNDER | AI, OPERATIONS & HARDWARE

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Geneva area, France · French citizen (EU) · Open to relocation: Zurich, Munich, Paris

Industrial engineer (French Diplôme d'ingénieur, MSc level) working where software meets the shop floor: five internships across Swiss manufacturing (Cartier x2, Vacheron Constantin, Richemont, EMS), a consumer AI app shipped solo to the App Store, and a Zurich venture-studio cohort prototyping across enterprise data and robot testing. Comfortable from CAD, GD&T and Lean to Python, SQL and AI agents.

SKILLS

Software & AI: Python, SQL, TypeScript, React Native, APIs; AI agents, tool use, GraphRAG, Claude Code; n8n, Power Platform

Manufacturing & hardware: CAD (Creo, SolidWorks, Fusion 360), FDM/SLS 3D printing, CNC, laser cutting, GD&T; Lean, 5S, FMEA, SPC, GMP

Product & operations: Customer discovery, PRDs, KPI dashboards, process mapping, training and adoption

Languages: French (native), English (C1+, Cambridge Business English), German (B1+, approaching B2)

EXPERIENCE

Venture Builder (Product & Operations) | Swiss Founders Fund Studio, Zurich 06/2026 - 09/2026

- Selected for the inaugural cohort (10 builders) of a venture studio mentored by YC founders; built ventures from scratch on a 3-month sprint with intensive AI leverage
- Ran field customer discovery (cold calls, on-site visits) and turned it into prototypes: an enterprise ontology layer with human-in-the-loop validation, a condition-assessment test protocol on Universal Robots cobots

Founder & AI Engineer | Who's Right?, Station F Paris, remote 06/2025 - 04/2026

- Shipped a full-stack AI debate app solo to the App Store in under 5 months, self-taught; 1,000+ users and 5 major releases
- Built an agent pipeline (live analysis and fact-checking in under 15s) that automated 80%+ of operations; owned architecture, UX/UI, data, deployment and analytics
- Sunset the product after 10 months once infrastructure costs outweighed revenue

Innovation & Product Development Intern | Cartier, La Chaux-de-Fonds 03/2025 - 08/2025

- Designed 4 innovative concepts currently in patent filing, combining CAD modeling with cross-departmental feasibility analysis
- Coordinated 4 cross-functional projects across C-level, Design, Marketing and Logistics; led one from ideation to validated prototype under regulatory and supplier compliance

Project Management & Process Improvement Intern | Cartier, La Chaux-de-Fonds 03/2024 - 08/2024

- Built a Power Apps platform on live enterprise databases, cutting reporting time by 30% across 4 departments; drove adoption through workshops and training for 50+ users

Earlier experience, Swiss manufacturing | Richemont, Vacheron Constantin, EMS, CH 2020 - 2023

- Richemont: digitalized the FMEA quality system in Power Apps. Vacheron Constantin: Lean 5S with 60 operators, 30+ tools designed and produced (3D printing, laser, CNC). EMS: root-caused a manufacturing issue worth ~100,000 CHF/month in savings from 5 years of GMP production data

PROJECTS

AIH Global | Founder, Zurich 2026 - present

Automated in-service inspection for humanoids: an independent test station on the operator's site, one 15-minute pass per robot; first prototype in development.

Rhizome Suite | Personal project, POC 2026

AI-native ERP POC for small companies: PRD, system architecture (GraphRAG, MCP), agent harness with sub-agents and human validation; 600+ files ingested.

EDUCATION

MSc Industrial Engineering (Diplôme d'ingénieur) and MSc Technological Entrepreneurship | UTBM, France 2019 - 2025

Semesters abroad at Warsaw University of Technology and HEIG-VD (CH). Student-entrepreneur status, Pépité France.

INTERESTS

Interests: Cooking, hiking, surfing, pottery, DIY engineering projects, travel (26 countries)