

LUDOVIC DUMAS

Software engineer with 5+ years of professional development experience designing and delivering SaaS applications, AI-powered systems and developer tools. I work across the complete engineering cycle, from architecture and API design to automated testing, containerized deployment and production operations.

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France · Open to relocation in Europe

PROFESSIONAL EXPERIENCE

Software & AI Engineer Jun 2026 — Present
Freelance contract · AI content & monitoring platform

Designed editorial automation from Telegram text and voice messages through platform-specific LLM generation to a scheduling dashboard.
Built configurable prompts for different audiences and tones, plus multi-source web monitoring with scraping, classification and relevance scoring using Jev.
Integrated Cactus voice processing and deployed the application on a self-managed Docker Compose stack.

Denden · AI Voice SaaS Sep 2026 — Present
Client project · In active development

Designing a multi-tenant SaaS for configurable telephone AI agents, connecting speech-to-text, LLM and text-to-speech with booking and availability workflows.
Building on SVForge with SvelteKit, PostgreSQL, service APIs, automated tests and Docker.

Independent Full-Stack Engineer 2020 — Present
LeLab.dev · Client projects

Delivered custom business applications, including real-estate valuation, referral management and API-based integrations.
Developed a healthcare-related training platform with sensitive-data handling, GDPR considerations and image/video uploads to S3 storage.
Handled architecture, API design, authentication, testing, deployment and maintenance across engagements.

Frontend / Full-Stack Developer 2022 — 2023
Hexoskin · Montréal · Biomedical technology

Developed Angular/TypeScript biofeedback interfaces handling sensitive physiological data within medical-device quality and verification requirements, including FDA-related preparation.
Integrated Django REST APIs, wrote unit and API tests, and implemented targeted Python backend fixes.
Worked at the company behind Astroskin physiological monitoring technology used in space research.

OPEN-SOURCE ENGINEERING

SVForge [GitHub ↗](#)
SvelteKit developer tooling built around the official Svelte CLI: editable application foundations, composable addons, design-system checks, coding-agent context and conflict-aware upgrades.

rag-ferrite [GitHub ↗](#)
Lightweight, self-hosted retrieval infrastructure exploring document ingestion, embeddings, search and AI-assisted Rust development.

EARLIER TECHNICAL EXPERIENCE

Multi-GPU Infrastructure Technician 2017 — 2018
Canada · Computing infrastructure for cryptocurrency mining — Hardware assembly, cooling, performance monitoring, maintenance and troubleshooting.

IT & Electronics Technician 2013 — 2017
Thought Technology · Montréal — Managed production Windows workstations and assembled, calibrated and tested biomedical and EEG equipment.

Network Technician 3 years
French Air Force — Network and IT operations.

TECHNICAL SKILLS

Engineering

TypeScript · JavaScript · Svelte 5 · SvelteKit · Angular · Node.js · PostgreSQL · SQL · API design · Authentication

AI systems

LLM integration · AI agents · Prompt engineering · RAG · MCP · STT / TTS · Scraping · Scoring

Infrastructure & quality

Linux · Docker / Compose · CI / CD · Cloudflare · Playwright · Vitest · Unit & API testing

Additional

Python · Coding-agent orchestration · LLM evaluations · Rust (project exposure)

EDUCATION

Web Developer Diploma
OpenClassrooms · RNCP Level 5 · 2021

Harvard CS50
2019

Electronics Diploma
2003

LANGUAGES

French	Native
English	Fluent
German	Learning

CURRENTLY STUDYING

Hack The Box Academy
Web & application security