



Sergiy Mirochnyk

SENIOR FULL-STACK ENGINEER · AI / LLM ENGINEER

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📍 Dijon, France · French citizen · remote or hybrid

Web applications end to end — interface, API, data, deployment — plus AI agents, RAG and automation that hold up in production.

TECHNICAL SKILLS

AI & LLM ENGINEERING

Multi-Agent Systems · RAG · Prompt

Engineering · Executor / Reviewer

loops · LLM Fine-tuning · LoRA / QLoRA ·

Unsloth · Model routing & cost control ·

Evaluations & guardrails · OpenAI API ·

Anthropic Claude API · Llama · Mistral

(self-hosted) · Embeddings · pgvector ·

Qdrant · n8n

AI-ASSISTED DEVELOPMENT

Claude Code · MCP servers · Spec-driven

delivery · Cursor · GitHub Copilot ·

Agent orchestration · Reviewer gates

before merge · Runtime verification

FRONTEND

React · Next.js · TypeScript ·

JavaScript · Zustand · Tailwind ·

Astro · HTML5 / CSS3

BACKEND & DATA

Node.js · Express · Python · FastAPI ·

REST APIs · Celery · Redis ·

PostgreSQL · SQL Server / T-SQL ·

Supabase · Row-Level Security · Jest ·

testing · Git / GitHub

DEVOPS · AI-OPS · SECURITY

VPS provisioning & deploy · Docker ·

Traefik · Linux / CLI · Nginx · CI/CD ·

Self-hosted GPU servers · Grafana ·

Metabase · OWASP · Auth · RBAC · Row-

Level Security · Firewall / network

security

WORKING KNOWLEDGE

Redux · LangChain · LangGraph · CrewAI ·

PyTorch · Hugging Face · WebSockets

LANGUAGES

French C2 · professional

English B2 · technical

Ukrainian native

Russian native

EDUCATION

Aug 2021 — Aug 2022 · France

JavaScript / React Application Developer

RNCP Level 6 (Bachelor-equivalent) · OpenClassrooms

Sep 2007 — Aug 2011 · Ukraine

University Degree — Business Informatics

4-year degree · information systems & databases

CERTIFICATIONS

Unsloth — open-source LLM fine-tuning (LoRA / QLoRA) self-directed

SUMMARY

Senior full-stack engineer, **9 years** building and running production web applications end to end — interface, API, database, deployment and monitoring. Core stack **React / Next.js / TypeScript / Node.js / Python** with **PostgreSQL / SQL Server**. Since 2023 I have shipped **applied AI** in production: **multi-agent systems**, **RAG** over company data, **LLM fine-tuning** and **n8n** automation — with tests, evaluations, monitoring and cost controls around them. I provision, secure and operate what I ship on **Linux VPS** with Docker, Nginx and CI/CD: an npm failover proxy merged upstream, a façade contractor's platform in production, a Telegram commerce app. French C2.

PROFESSIONAL EXPERIENCE

Full-Stack Developer & AI Engineer

SEP 2023 — PRESENT

FIMAINFO — Software development & cloud solutions · Dijon, France

- Designed and shipped **multi-agent AI systems** for call-centre campaigns: an executor agent does the work, a reviewer agent scores it, and the loop repeats until the score reaches **90%**. Cut back-office work by **~80%** — about **30 hours a week per team covered**. *OpenAI API · Anthropic Claude API*
- Built **RAG** search over internal business knowledge and exposed company data to agents through MCP-style tools and REST APIs, with per-role access control (RBAC). *embeddings · pgvector · Qdrant*
- Delivered full-stack internal products end to end: responsive **React / Tailwind** interfaces, **Node.js / Express** APIs, **SQL Server / T-SQL** across four estates, **Jest** tests, CI/CD and production deployment.
- Fine-tuned open-weight LLMs** and served them from in-house **GPU servers** behind REST APIs — data stays on company hardware and token spend drops; added routing between light and heavy models. *Unsloth · LoRA / QLoRA · Llama · Mistral*
- Automated recurring back-office with **n8n**: email parsing, ticket routing, invoicing, compliance filings, notifications. Added monitoring, SLA alerting and anomaly detection. *Grafana · Metabase*
- Introduced an **AI-assisted development workflow** with spec-driven prompts and reviewer gates before merge — shorter cycles without giving up code review, tests or OWASP checks. *Claude Code · Cursor · Copilot*

Web Developer

AUG 2022 — AUG 2023

Novileads Co. · Ukraine · remote

- Built responsive marketing sites and web applications from Figma mockups, and shared component libraries with the back-end developers and designers. *HTML5 · CSS3 · JavaScript*
- Front-end performance and cross-device compatibility; **technical SEO** and Core Web Vitals checked on delivery.

Web Developer — French Foreign Legion

MAY 2017 — MAY 2021

French Foreign Legion — *Képi Blanc* magazine & other Legion sites · France

- Built and maintained site components for *Képi Blanc* magazine and other Legion sites; ran the content with the editorial team, plus **technical SEO**, social integrations and performance work.

IT Technician

OCT 2011 — MAY 2017

French Foreign Legion — 1st R.E.G. / 1st R.E. · France

- Installed, configured and maintained hardware and software fleets for operational units, with **L1/L2 support** for their users.
- Network security**: firewall and antivirus administration, system hardening.

SELECTED PROJECTS

LLM Failover Proxy

OPEN SOURCE · NPM · 2026

One OpenAI-compatible endpoint that switches model when a provider fails, rate-limits or slows down — without breaking a live stream. **12 commits** and **+1,638 lines merged upstream**, published as v1.8.0. *Node.js 22 · SSE · zero runtime dependencies*

Extranet Fimainfo

WORK · INTERNAL PLATFORM · 2026

One internal platform for telephony, campaigns, messaging, BI and an AI assistant: **5 services**, **~60 screens**, **4 SQL Server estates**, **~786 commits over 17 months**. *Next.js 15.5 · React 19 · Express · SQL Server x4 · FastAPI · Qdrant · RAG*

ASCoFacade

PRODUCTION · CLIENT · 2026

Public SEO site and **4 role portals** behind one login — office, clients, sub-contractors, field crews — plus **3 AI jobs**, none of them a chatbot. *Next.js 16 · React 19 · Supabase RLS · Server Actions · Vercel*

SimplifyEU

AI BACK-OFFICE · 2026

Finds duplicate invoices, unused subscriptions and missed deadlines across **4 Python services**. *Next.js 16 · FastAPI · Celery + Redis · Docker + Traefik*

Way2Buy Mini App

TELEGRAM · PRODUCT · 2026

Telegram Mini App for sales, cashback, discounts, margin tracking and AI reports. *Node.js + Express · SQLite · idempotent jobs · 81 tests*

Earnings trading bot

RESEARCH LAB · 2026

Personal multi-agent lab for earnings research, scoring and fixed risk rules. Not financial advice. *Python 3.12 · SQLAlchemy 2 · APScheduler · Docker*