



# Guillaume Gustin — CV

Functional Analyst & Software Engineer · Sustainable IT

Brussels, BE · FR native · EN C1 · NL A2+

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🏠 [pwablo.be](https://pwablo.be) — founder

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**Functional Analysis & Software Engineering — for Sustainable IT.**  
Biomedical engineer by training (UCLouvain). Ten years of experience building software solutions for the health, non-profit, and public sectors.

## 01 Areas of Expertise 📍

**Functional Analysis**

- Business ↔ dev bridge — requirements, specs (BPMN), backlog
- SQL extracts & BI reporting
- Digital maturity audits & roadmaps (TPE/PME, NPO)

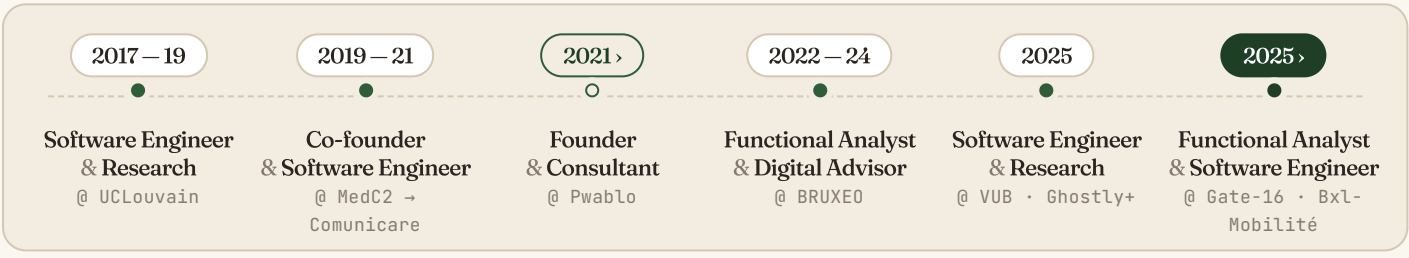
**Software Engineering**

- Web: React · Vue · Astro · PWA
- Backend & DevOps: FastAPI · Supabase/Postgres · Docker, GitLab CI/CD
- GIS (Leaflet, GeoServer WFS) · AI RAG engineering (Pydantic AI, pgvector)

**Eco-design & Performance**

- Hands-on workshops & awareness training (Fresque du Numérique...)
- Eco-design of web & mobile services (GR491)
- Performance & SEO audits — Lighthouse, Ecoindex, WebsiteCarbon

## 02 Career Timeline 📅



## 03 Key Consulting Engagements 🏢



**Functional Analyst & Software Engineer** — Gate-16 × Bruxelles-Mobilité  
OSIRIS Competence Center (CdCO) — regional platform for road-occupation & mobility coordination in Brussels

- Functional analysis on OSIRIS — requirements gathering, functional & technical specs, SQL extracts, BI reporting, developer liaison and ongoing maintenance across scoping, testing and deployment.
- Developed *OsiView* [poster] — a modern internal interface layer on top of OSIRIS (Vue · Leaflet · GeoServer WFS). Modules: CCC sessions (dual-screen for the Commission de Coordination des Chantiers), worksite lookup, tablet field control (GPS), spatial conflict analysis. Maintained [my.osiris.brussels](https://my.osiris.brussels) — citizen-facing React portal.
- R & D — AI integration in GIS and mobility applications; pursuing the IBM RAG & Agentic AI professional certificate.

STACK Vue 3 Leaflet GeoServer WFS Oracle SQL Supabase Docker Azure



Oct 2025 — now · full-time



**Functional Analyst & Digital Advisor** — BRUXEO  
Confederation of Brussels social-profit employers (healthcare, social action, education, culture...)

- Designed and ran *DigiBrux* — a responsible-digitalisation service for Brussels non-profits: digital maturity audits (15+ organisations), thematic working groups & workshops (50+ organisations), collective CRM pathway and technical assistance.
- Participated in the launch of *Décarbonaction* — an environmental support service helping non-profits with their sustainability transition (mobility, energy, waste, digital) (2024).

SCOPE Digital maturity audits CRM Open-source tooling Workshop design Stakeholder management



2022 — now · complementary

**Founder & Consultant** — Pwablo  
Digital studio for positive impact · INR signatory (Charte Numérique Responsable) · [pwablo.be](https://pwablo.be)

- Support mission-driven orgs (Out of the Books, Climate Voices, BeEducation...) with eco-designed web engineering, workflow automations and responsible-digitalisation advisory — 2% revenue to Team for the Planet.
- Speaker/trainer on AI & sustainability — authored the open « *Charte IA Responsable pour ASBL* » [Read](#) (CC BY 4.0, Jan 2026); co-led a session with Be Education & Les Jeunes Entreprises ASBL.

FOCUS Sustainable Web Workshops Responsible AI Open-source tooling Astro

## 04 Prior Experience



2025 – 2026

### Software Engineer & Research —

*Ghostly+*

Vrije Universiteit Brussel · *rehabilitation platform prepared for clinical trials*

- Lead dev on the clinical-trial dashboard: patient data management, EMG signal processing from C3D motion-capture files, visualisation of therapeutic progress.
- End-to-end delivery: architecture, DB, containerisation, production deployment; liaison with rehab therapists & the Ghostly mobile team.

STACK [FastAPI](#) [React/TS](#) [Supabase](#)  
[Docker](#)



2019 – 2021

### Co-founder & Software Engineer —

*MedC2 · Comunicare*

*Medtech startup · acquired by Comunicare in 2021*

- Designed and built an ePRO platform for the ImmunoSABR EU clinical trial and a patient-centred Decision Aid for cancer treatment.
- COVID pivot to MyPatientCheck (patient triage tool); co-authored the DRAGON EU grant — €860k secured for the company within a European consortium.

STACK [Angular](#) [Ionic](#) [GCP / Firebase](#)  
[Node.js](#) [PWA](#)



2017 – 2019

### Software Engineer & Research —

*UCLouvain*

ICTEAM — UCLouvain · eHealth · Cliniques Saint-Luc · FEDER-funded

- Contributed to developing a pilot Diabetes remote monitoring & management system (mHealth) — poster @ Euromedlab, talk @ SIPAIM, industrial partner Menarini.
- Teaching assistant for *Informatique 1* (Python / OOP) and *Medical Imaging* (Matlab).

STACK [MEAN](#) [Angular](#) [Ionic](#) [MongoDB](#)  
[Fitbit / Menarini APIs](#)



2016

### Junior IT Consultant — Sopra Banking

*Software*

R&D - Maintenance - Sopra Banking Platform (COBOL / Java) ·

## 05 Education

### Master in Biomedical Engineering — *Bioinformatics*

UCLouvain · 2014–2016 · **Cum Laude**

*Thesis: « Diabetes management through AI & gamification — blood-glucose prediction models and mHealth design » — NARX predictive model (Matlab) + self-management app concept.*  
*Supervisor: Pr. Benoît Macq.*

[DIAL](#)

## 06 Certifications & Learning

IBM RAG & Agentic AI professional certificate in progress

Ecological & transition workshops (*participant*) — 2022–25

Fresque du Numérique · Atelier 2 Tonnes · Mobilité · Biodiversité · Alimentation · Nouveaux Récits · Notre Tour (*Musch*)

Certificat Numérique Responsable — INR 2024

MIT Global Startup Labs — 6-week program · MIT 2018

University Certificate — Innovation & Transmedia · 2017–18  
UCLouvain & UMONS (*15 ECTS*)

## 07 Languages

[Français · native](#) [English · C1](#) [Nederlands · A2/B1](#)

## 08 Publication

*« Empowerment of diabetic patients through mHealth technologies and education: Development of a pilot self-management application »*

[SCHOLAR](#)

G. Gustin, B. Macq, D. Gruson, S. Kieffer — **SPIE / SIPAIM** · 2017

## 09 Off the clock

[Mountain trekking](#) [Improv theatre](#)

[Marathon training 2026](#) [Open-source](#)