

Robin Hormaux

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French (native) / English (fluent)

Full-Stack Software Engineer - Product, Data, Security & Infrastructure

PROFILE

Full-stack software engineer experienced in complex, data-driven and privacy-critical products across healthcare, computer vision, real-time platforms, SEO-driven web products and blockchain. I work across the complete product chain: business needs, system design, frontend, backend, data, infrastructure, production delivery and support.

SELECTED EXPERTISE

Product engineering	Product discovery, technical design, full-stack delivery, production support
Frontend	Angular, React, Next.js, TypeScript, RxJS, Nx, Kendo UI, responsive interfaces
Backend & data	Java, Spring Boot, Node.js, NestJS, REST, PostgreSQL, CouchDB, Elasticsearch
Infrastructure	AWS, Docker, Linux, Intel NUC, edge computing, monitoring and remote maintenance
Specialised domains	eHealth, FHIR R4, KMEHR, MyCareNet, technical SEO, Solana, Anchor and Rust

EXPERIENCE

Medispring, Louvain-la-Neuve / Full-Stack Developer

2022 - 2025

Product and engineering work on a secure electronic health record used by more than 2,500 general practitioners.

- Built Angular, RxJS, Nx and Kendo UI frontends alongside Spring Boot and CouchDB services.
- Worked on end-to-end encryption, per-user private keys and strictly regulated certification processes.
- Delivered patient stays, physiotherapy, nursing, reporting and configurable medical-data query workflows.
- Integrated FHIR R4, KMEHR, MyCareNet and eAgreement services in the Belgian eHealth ecosystem.
- Investigated performance issues, strengthened Jest tests and supported production incidents.

Bubble Software, La Hulpe / Full-Stack Developer / Agile Lead

2021 - 2022

Led a team of three developers delivering a real-time platform for the European Business Summit.

- Delivered multi-stream viewing, live chat and networking under a fixed event deadline.
- Coordinated technical execution and improved planning, prioritisation and Agile delivery practices.
- Remained hands-on across architecture, implementation and production readiness.

Piximate, La Hulpe / Software Engineer

2019 - 2021

Built computer-vision systems deployed for retail clients including Carrefour, IKEA and Farm.

- Prepared Intel NUC devices and Dockerised Linux services to process image data at the edge.
- Reduced raw-image transfers and cloud processing by moving proprietary algorithms on-site.
- Built AWS pipelines, Elasticsearch indexing and customer-facing Angular analytics dashboards.
- Implemented remote debugging, monitoring, maintenance and software-update capabilities.
- Helped adapt the platform into real-time customer-counting systems during COVID-19.

SCEP Consulting / Independent Projects / Founder / Full-Stack Engineer

2026 - Present

Build and operate software products from idea through design, acquisition, deployment and iteration.

- Created cotalos.be and chocolatine.be using automated pipelines and Belgian public datasets.
- Built ingestion and generation systems producing and indexing thousands of structured SEO pages.
- Own product strategy, interface design, engineering, infrastructure, analytics and production support.

SELECTED PROJECT

Solana Place / Independent project

School of Solana Season 7 - Ackee Blockchain Security - September 2025

- Built a collaborative on-chain canvas with a Solana program and React web application.
- Used Anchor, Rust, on-chain accounts and Program Derived Addresses to manage shared state.
- Selected among five highlighted projects from more than 200 submissions.
- program-robhox.vercel.app

EDUCATION

UCLouvain, Louvain-la-Neuve / Master's Degree in Computer Science

2013 - 2019

Master's thesis: built a machine-learning model predicting examination results from continuous-assessment data collected through INGINious. The model predicted final results within approximately 2 points out of 20 for 90% of students.

ADVANCED TRAINING

School of Solana - Season 7	Ackee Blockchain Security, September 2025
Animation.dev	Advanced interface animation by Emil Kowalski
Interface Craft	Advanced UI/UX training by Josh Puckett