Haydar Duman

AI-Native Full-Stack Developer · Go · TypeScript · Swift & Flutter · Architecture

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Freelance contractor engagements, full-time or part-time — remote worldwide, on site in Belgium and Luxembourg

PROFILE

Freelance full-stack developer with over 15 years of independent practice. I design and ship products end to end: architecture, backend, web, mobile, and the electronics when the product does not stop at the screen. I frame the system before writing the first line, then take it all the way to production. AI is part of my daily tooling, not my sales pitch: agentic coding for prototyping and refactoring, test generation and review, exploring unfamiliar codebases, and integrating LLM APIs (Claude, OpenAI) and MCP servers into the products I deliver. The gain is not writing code faster, it is going from a spec to a testable version in days rather than weeks, while keeping control over architecture, security and technical debt.

TECHNICAL SKILLS

Backend	Go, TypeScript / Node, PHP (Symfony, Laravel), Python, REST, CQRS, event sourcing, microservices
Web	Svelte / SvelteKit, React, Next.js, Vue.js, Angular, TailwindCSS, embeddable widgets
Mobile	Swift / SwiftUI, Flutter / Dart, React Native
Data	PostgreSQL, MySQL / MariaDB, Firestore, MongoDB, Supabase, Elasticsearch
Cloud & Ops	Google Cloud Platform (GCP), Firebase, Docker, CI/CD, Linux / Debian, monitoring
AI	agentic coding, Claude & OpenAI APIs, MCP servers, RAG, workflow automation
IoT	ESP32 / ESPHome, electronics prototyping, BLE, GNSS-RTK, Home Assistant

PROFESSIONAL EXPERIENCE

Founder & developer · **Careways** — Feb 2025 – present

Multi-tenant SaaS for beauty and wellness centres

- Architecture, data model and full product development.
- Online booking, multi-resource calendar, point of sale and double-entry accounting.
- Go backend using CQRS + event sourcing; embeddable TypeScript booking widget for client websites.

Stack : Go, Flutter, TypeScript, PostgreSQL, Firestore, GCP

Freelance developer · **Aroneus SRL** — Jul 2019 – present

The company through which I run my web, mobile and IoT engagements

- Since Apr 2026, on-site engagement in Spa: Spa Connect, a mobile app for residents and visitors (points of interest, events calendar, waste collection with day-before notifications).
- Driver and truck scheduling system with real-time geolocation and automated SMS dispatch (Svelte).
- PHP e-commerce coupled with a stock management tool, including a fitment-matching engine covering more than 17,000 vehicles.
- React library for graphical binary visualisation.
- Mobile apps published on the App Store for public-sector and private clients (see Projects).

Clients : FR-Team International, Brakestore, La Cité des Nuages, ERKA Import Export, Ville de Spa

Senior Lead Developer · **AutoTuner** Jun 2023 – Apr 2026

Engine remapping tools, international product · Luxembourg

- Viability audit of the existing Symfony CRM, then contribution to the architecture and development of v2 (legacy migration to Go and TypeScript).
- Built the front office in Svelte; contributed to the React Native mobile app.
- Improved the PHP / Symfony back office and optimised MySQL queries.
- Delivered POCs and developed a hashing library in TypeScript.

Developer · **La Cité des Nuages** Mar 2020 – Apr 2026

Specialist e-commerce · Waterloo

- Built and technically owned the entire e-commerce platform.
- Advanced pre-order system compliant with the sector's legal and accounting constraints.
- Automated commission invoicing for the consignment-sales business.
- Automated synchronisation with accounting software; search and catalogue optimised with Elasticsearch.

Developer · **Infinity Mobile** Feb 2019 – Nov 2019

Web and mobile development agency

- Charleroi Duty Free (Magento): custom modules for dynamic VAT / ex-VAT pricing based on the traveller's final destination; real-time integration with the airport flight system for in-store Click & Collect; premium interfaces for luxury brands (DIOR).
- Edenred: custom PHP backend development.
- Event quiz web app and an interactive Amazon Alexa voice skill.

Developer · **ProduWeb** Apr 2018 – Feb 2019

Web agency · Liège

- Delivered around a dozen complex PrestaShop stores, from theme creation to custom modules.

Entrepreneurship & development · **Console+ · Dûman.be · Credior** Jan 2010 – Jan 2018

Before 2018

- Console+ (2015-2018), managing partner: a network of 8 Tipico-franchised sports betting shops, 10 employees. Built a site-selection decision tool combining geographic, demographic and competitive data (all 8 locations were chosen with it), an application to remotely operate the tills across the 8 shops, and rebuilt the ticket printing system. In parallel, team chief at Tipico Belgium.
- Dûman.be (2011-2014), freelance developer: websites and e-commerce for SMEs (WordPress, WooCommerce, Lumen, CakePHP), datacenter server administration, VoIP / PBX.
- Credior (2010-2011): credit file management and integration of the company website with the VIPRE core application (automated injection of applications into the Oracle database).

PROJECTS & PRODUCTS

Spa Connect 2026 · App Store · Swift, Firebase

Native mobile app for a connected city: citizen services, local information and notifications, built on site for the City of Spa (points of interest, events calendar, waste collection with day-before notifications).

EBSP 2025 · App Store · Flutter

Official mobile app of Spa airfield (EBSP): airfield information and pilot services.

Careways careways.eu 2025 · Go, Flutter, TypeScript, PostgreSQL, GCP

Multi-tenant SaaS for beauty and wellness centres: online booking, multi-resource calendar, point of sale and double-entry accounting. Go backend using CQRS and event sourcing, with an embeddable TypeScript booking widget for client websites.

XR HUD github.com/dumanhaydar/xrhud 2026 · open source · iOS, Swift

An iOS app that turns USB-C display glasses (XREAL, Viture, Rokid, RayNeo) into a head-up display: pace, distance, heart rate, elevation gain and heading float in front of your eyes, phone in pocket, screen off. The design follows the optics: the image adds to the light of the world, so black is transparent — lines and text sized in degrees of visual angle read identically on a 43° pair and a 57° one.

DuHome Swift, Home Assistant

Native iOS app built on top of Home Assistant, with automations and ESP32/ESPHome sensor integration.

Wallet backend (Apple & Google) GCP

Backend for generating and managing Apple Wallet / Google Wallet cards: pass signing, push updates, lifecycle and revocation.

COMMUNITY

- Liège Hackerspace — member since 2019, responsible for the association's accounting. Built the membership management tool and the chat migration tool to Mattermost.
- Le Comité Kurde — president. Runs the FC Pezkovi futsal team in the LFFS fourth division (P4) and teaches Kurdish folk dance through Govend Belgique.
- Groupe Astronomique de Spa — member.
- Spa ! museum, Musée de la Ville d'eaux — member.
- ON5VL — member.

LANGUAGES

French (native) · Kurdish (native) · Turkish (native) · English (professional)

SRL Aroneus · VAT BE 0730 644 283 · Writing code since the age of 10, self-taught, continuous technology watch.