



Haydar Duman

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

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duman.io · linkedin.com/in/dumanhaydar · github.com/dumanhaydar ·
Available for freelance work in Belgium & Luxembourg, on site or remote

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 (Fiber), TypeScript / Node, PHP (Symfony, Laravel), Python · REST, CQRS, event sourcing, microservices
Web	Svelte / SvelteKit, React, Next.js, TailwindCSS, embeddable widgets
Mobile	Swift / SwiftUI (App Store), Flutter / Dart, React Native
Data	PostgreSQL, MySQL / MariaDB, Firestore, MongoDB, Supabase, Elasticsearch
Cloud & Ops	Google Cloud Platform, 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, City of 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 region

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

- › **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

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

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. No solid fills, only lines and text sized in degrees of visual angle so they read identically on a 43° pair and a 57° one.

Spa Connect · 2026 · Swift · App Store

Native mobile app for a connected city: citizen services, local information and notifications.

EBSP · 2025 · Flutter · App Store

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

Wallet backend (Apple & Google) · GCP

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

Home automation iOS · Swift · Home Assistant

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

COMMUNITY

Liège Hackerspace: full member since 2019, responsible for the association's accounting. Built the membership management tool and the chat migration tool to Mattermost.

LANGUAGES

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

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