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
Freelance-Einsätze, Vollzeit oder Teilzeit — weltweit remote, vor Ort in Belgien und Luxemburg

PROFIL

Freiberuflicher Full-Stack-Entwickler mit über 15 Jahren selbstständiger Praxis. Ich entwerfe und liefere Produkte von Anfang bis Ende: Architektur, Backend, Web, Mobile — und die Elektronik, wenn das Produkt nicht am Bildschirm endet. Ich strukturiere das System, bevor ich die erste Zeile schreibe, und begleite es bis in die Produktion. KI gehört zu meinem täglichen Werkzeug, nicht zu meinem Verkaufsargument: Agentic Coding für Prototyping und Refactoring, Erzeugung und Review von Tests, Erkundung unbekannter Codebasen sowie die Integration von LLM-APIs (Claude, OpenAI) und MCP-Servern in die Produkte, die ich ausliefere. Der Gewinn liegt nicht darin, schneller Code zu schreiben, sondern darin, von der Spezifikation in Tagen statt Wochen zu einer testbaren Version zu kommen — bei voller Kontrolle über Architektur, Sicherheit und technische Schulden.

TECHNISCHE KOMPETENZEN

Backend	Go, TypeScript / Node, PHP (Symfony, Laravel), Python, REST, CQRS, Event Sourcing, Microservices
Web	Svelte / SvelteKit, React, Next.js, Vue.js, Angular, TailwindCSS, einbettbare Widgets
Mobile	Swift / SwiftUI, Flutter / Dart, React Native
Daten	PostgreSQL, MySQL / MariaDB, Firestore, MongoDB, Supabase, Elasticsearch
Cloud & Ops	Google Cloud Platform (GCP), Firebase, Docker, CI/CD, Linux / Debian, Monitoring
KI	Agentic Coding, Claude- und OpenAI-APIs, MCP servers, RAG, Workflow-Automatisierung
IoT	ESP32 / ESPHome, Elektronik-Prototyping, BLE, GNSS-RTK, Home Assistant

BERUFSERFAHRUNG

Founder & developer · **Careways** — Feb. 2025 – heute

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** Juli 2019 – heute

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).

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

Senior Lead Developer · **AutoTuner** Juni 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** März 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).

PROJEKTE & PRODUKTE

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.

ENGAGEMENT

- 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.

SPRACHEN

French (Muttersprache) · Kurdish (Muttersprache) · Turkish (Muttersprache) · English (verhandlungssicher)

SRL Aroneus · USt-IdNr. BE 0730 644 283 · Programmiert seit dem zehnten Lebensjahr, Autodidakt, kontinuierliche Technologiebeobachtung.