Haydar Duman

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

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Peywirên serbixwe, dem-tijî an nîv-dem — ji dûr ve li seranserê cîhanê, li cih li Belçîka û Lûksembûrgê

PROFÎL

Ez zêdetirî 15 salan e ku wekî pêşdebirekî full-stack yê serbixwe dixebitim. Ez berheman ji destpêkê heta dawiyê dîzayn dikim û radest dikim: avahîsazî, backend, web, mobîl, û elektronîk gava ku berhem li ser ekranê naqede. Berî ku ez rêza yekem binivîsim ez pergalê çarçove dikim, paşê wê heta hilberînê dibim. AI beşek ji amûrên min ên rojane ye, ne ji gotinên min ên firotanê: agentic coding ji bo prototîp û refactoring, çêkirin û venêrîna testan, vekolîna kodên nenas, û entegrekirina API'yên LLM (Claude, OpenAI) û serverên MCP di berhemên ku ez radest dikim de. Qezenc ne nivîsandina koda bileztir e, lê gihîştina ji şertnameyekê ber bi guhertoyeke ceribandinbar ve di nav rojan de li şûna hefteyan e, di heman demê de kontrola avahîsazî, ewlehî û deynê teknîkî di dest de dimîne.

JÊHATÎBÛNÊN TEKNÎKÎ

Backend	Go, TypeScript / Node, PHP (Symfony, Laravel), Python, REST, CQRS, event sourcing, mîkroxizmet
Web	Svelte / SvelteKit, React, Next.js, Vue.js, Angular, TailwindCSS, widgetên veşartbar
Mobîl	Swift / SwiftUI, Flutter / Dart, React Native
Dane	PostgreSQL, MySQL / MariaDB, Firestore, MongoDB, Supabase, Elasticsearch
Cloud & Ops	Google Cloud Platform (GCP), Firebase, Docker, CI/CD, Linux / Debian, çavdêrî
AI	agentic coding, API'yên Claude & OpenAI, MCP servers, RAG, otomasyona workflowê
IoT	ESP32 / ESPHome, prototîpkirina elektronîk, BLE, GNSS-RTK, Home Assistant

SERPÊHATIYA PÎŞEYÎ

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

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 – îro

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).

Xerîdar : 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).

PROJE & BERHEM

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.

BEŞDARÎ

- 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.

ZIMAN

French (zimanê dayikê) · Kurdish (zimanê dayikê) · Turkish (zimanê dayikê) · English (pîşeyî)

SRL Aroneus · KDV BE 0730 644 283 · Ji deh saliya xwe ve kod dinivîse, xwe-hînker, şopandina teknolojiyê ya berdewam.