



DIMITRIOS RARRAS

FULL-STACK DEVELOPER

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GREECE

SUMMARY

Full-stack developer in Ioannina, Greece. I design and build the websites, e-commerce platforms, and operational software that small Greek businesses and healthcare institutions run on. Ten+ systems in production. Specialties: online stores and product catalogs, software for healthcare institutions, and AI-assisted tooling.

EXPERIENCE

Lead Developer

KOMBOΣ ΥΓΕΙΑΣ (KOMVOS YGEIAS) • IOANNINA • APR 2025 – PRESENT

Founding developer of the home healthcare company, since it opened.

- Built **komvosygeias.gr**, the company website, with a careers page where candidates upload their CV directly.
- Built **shop.komvosygeias.gr**, an online shop for medical equipment and health products with separate consumer and business sales channels.

STACK — TYPESCRIPT • ASTRO • NEXT.JS • MEDUSA • MEILISEARCH

Lead Developer

ΣΥΣΤΕΓΑΣΜΕΝΑ ΦΑΡΜΑΚΕΙΑ ANNA ΖΗΚΟΥ & ΑΡΙΣΤΟΤΕΛΗΣ ΠΑΠΑΝΔΡΕΟΥ ΟΕ
(HEARTBEAT PHARMACY) • IOANNINA • NOV 2024 – PRESENT

Sole developer behind **theheartbeat.gr**, the pharmacy's full online platform.

- Designed and built the customer storefront, the staff inventory and product-information system, and the background service that keeps online stock in sync with the pharmacy's in-store ERP (ILYDA).
- Built AI-assisted tools that cut catalog data-entry for thousands of products from days to hours.
- Owned everything end-to-end: architecture, database, payments, deployment, and ongoing maintenance.

STACK — TYPESCRIPT • NEXT.JS • MEDUSA • POSTGRESQL • REDIS •
ANTHROPIC SDK

Freelance Full-Stack Developer
IOANNINA · 2023 – PRESENT

Selected engagements:

Kleidakos & Papanikolaou Doors (2024 – present) — Built a complete B2B marketplace for a Greek locksmith and door network, replacing phone-and-spreadsheet ordering. Includes a 3D door configurator customers use to visualize products before buying, and automated catalog import from eight supplier sites.

pooq.gr – WooCommerce plugins (2026 – present, maintaining) — Four custom plugins keeping a live Greek online store running: courier shipping (open-sourced), Skrutz marketplace feed, multi-vendor product importer, and a Piraeus Bank payment gateway.

40roomors.com – Headless CMS + e-shop (Nov 2023 – Jul 2024) — Built the company's content management system, online store, and timeslot reservation system from scratch. Designed in Figma, deployed with a streamlined CI/CD pipeline.

LIVE CLIENT WEBSITES

theheartbeat.gr Pharmacy storefront, Ioannina · launching soon NEXT.JS 16 · MEDUSA 2.14 · MEILISEARCH	komvosygeias.gr Home healthcare services, Ioannina ASTRO · TAILWIND · CLOUDINARY CV-UPLOAD
drkolettis.gr Dental surgeon, Ioannina ASTRO · TAILWIND · PHOTOSWIPE GALLERY	papadoliopoulou.gr Breast surgeon, Athens · 12 education articles ASTRO · TAILWIND · PHYSICIAN SCHEMA
logotherapia-ioannina.gr Speech therapy clinic, Ioannina ASTRO · TAILWIND · STATIC EXPORT	40roomors.com Tufting & textile arts · custom CMS I built NEXT.JS · CUSTOM HEADLESS CMS · MINIO ASSETS

VOLUNTEER WORK

Volunteer Lead Developer

ΓΗΡΟΚΟΜΕΙΟ ΖΩΣΙΜΑΔΩΝ ΙΩΑΝΝΙΝΩΝ (ZOSIMADES NURSING HOME OF IOANNINA) • 2024 – PRESENT

Took the nursing home off paper. Built and maintain three integrated systems used daily: a clinical operations platform covering the full admission-to-discharge cycle, an inventory management system, and an Android handheld scanner for shift inventory counts that keeps working when the on-site Wi-Fi drops.

STACK — TYPESCRIPT • BUN + ELYSIA • HONO • POSTGRESQL • REACT NATIVE • EXPO

Volunteer Developer

ΠΑΝΕΠΙΣΤΗΜΙΑΚΟ ΓΕΝΙΚΟ ΝΟΣΟΚΟΜΕΙΟ ΙΩΑΝΝΙΝΩΝ (Π.Γ.Ν.Ι. — IOANNINA UNIVERSITY HOSPITAL), MOLECULAR BIOLOGY UNIT • 2022, REVAMPED 2026

Inventory-tracking application for the Hematology Laboratory. Originally built in 2022 as a Windows application; rebuilt this year on a modern stack and currently in production at the lab, distributed as a signed installer the hospital's IT team deploys themselves.

STACK — TAURI 2 • RUST • REACT • SQLITE

SELECTED PERSONAL & OPEN-SOURCE

Rorsa Tools (2025–present) — Open-source toolkit of 14 tools that lets AI assistants generate, edit, and process images at production scale. The toolkit that produced every image on jimrarras.com.

Komvos Connect (2025–present, live at connect.komvosygeias.gr) — Self-hosted booking platform: any business drops one script tag on their site and gets appointments, calendar sync, and confirmation emails. A self-hosted alternative to Calendly.

TaskFlow (2024–present, live at tasks.jimrarras.com) — Free multi-tenant task-dispatch app for hospitality teams. Keeps working when the Wi-Fi drops.

Migraine Tracker (2025–present) — Mobile health app where the medical export is real FHIR — a neurologist can import a patient's migraine history directly into their EHR.

Delivery Tracker (2024) — Real-time delivery-dispatch system that assigns orders to drivers using live GPS and a custom scoring formula.

SELECTED WRITING

Real FHIR 4.0.1 in a Mobile Health App: Beyond the Marketing Claim (May 2026, 9 min) — jimrarras.com/en/fhir-mobile-health-react-native-observation

Embedded MCP Servers in Production: AI Agents Inside Your TypeScript Backend (Apr 2026, 7 min) — jimrarras.com/en/embedded-mcp-servers-production-typescript

Headless Commerce with Medusa.js: Why Heartbeat Pharmacy Didn't Go With Shopify Plus (Apr 2026, 8 min) — jimrarras.com/en/headless-commerce-medusa-vs-shopify-plus

SKILLS

- SERVICES** Headless Commerce · Catalog/PIM Systems · Healthcare Civic-Tech · Bilingual Websites
- LANGUAGES** TypeScript · JavaScript · C# · PHP · Rust · SQL
- FRAMEWORKS** React · Next.js · Astro · React Native · Vue.js · Medusa · Strapi · Fastify · Hono · Bun + Elysia · Express
- DATA** PostgreSQL · Redis · SQLite · Meilisearch
- AI** Anthropic SDK · Model Context Protocol (MCP) · Google Gemini
- STANDARDS** FHIR (healthcare interoperability)
- INFRASTRUCTURE** Docker · Coolify · CI/CD · OAuth

EDUCATION · MILITARY · LANGUAGES

- EDUCATION** University of Western Macedonia · Integrated Master's, Electrical and Computer Engineering · 2016 – 2022 · Thesis: Automated Solver for the game of Minesweeper (C#)
- MILITARY** Research and Informatics Office, Division Headquarters · Ioannina · 2022 – 2023 · IT support, network and security, media production
- LANGUAGES** Greek (native) · English (Michigan Proficiency C2)