

Doriel Chiche

AI / Full-Stack Engineer · TypeScript / Node.js

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SUMMARY

Full-stack engineer with 7 years of production experience, now focused on LLM-powered products. Sole engineer behind **Leirod**, an AI nutrition and coaching app shipped to the App Store and Google Play — from the vision pipeline and multi-provider LLM layer down to the Node.js/PostgreSQL backend and the native iOS and Android clients. I take features from database schema to store release, and I optimize for AI that holds up in production, not just in a demo. French (native), English (fluent), Hebrew (professional working proficiency).

EXPERIENCE

Founder & Lead Engineer 01/2023 – Present · Jerusalem

Independent — Leirod (own AI nutrition & coaching product) and LLM client work

4 production codebases (API, iOS, Android, web) · live on both app stores · 1,500+ automated tests · designed, built and released solo.

- **Shipped native iOS (Swift / SwiftUI) and Android (Kotlin / Jetpack Compose) apps** to the App Store and Google Play, served by a Hono/Node.js REST API over self-hosted PostgreSQL (Drizzle ORM), plus a Next.js marketing site.
- **Built a multi-provider LLM routing layer** with per-feature primary → fallback → tertiary chains across Gemini, Claude, GPT and Mistral. Model selection is config-driven (env vars, zero code change), so a provider outage degrades gracefully instead of breaking the product; Google models are pinned to Vertex AI for EU data residency.
- **Built the food-recognition pipeline:** a vision LLM extracts foods and portions from a photo, matched against the USDA FNDDS and French CIQUAL nutrition databases in PostgreSQL — full nutritional breakdown in ~2s per scan.
- **Built a streaming chat agent with tool use** — a provider-agnostic multi-turn tool loop acting on the user's own data (log a meal, correct a portion, query history), with per-turn credit billing protected by HMAC-signed, user-bound, short-lived tokens.
- **Owned production operations end-to-end:** GitHub Actions → Linux VPS deploys behind a health-check gate (pm2), database migrations with fail-fast backups, encrypted off-site backups, scheduled workers, rate limiting, OAuth 2.0 sign-in (Google / Apple), Sentry and PostHog.
- **Client work:** delivered Telegram-based LLM agents to 3 SMB clients, automating back-office and operations workflows — around 10 hours per week saved for each.

Full-Stack Developer → Technical Project Manager 01/2019 – 12/2022 · Jerusalem

Retraite Plus (~100 employees)

- Built and maintained CRM systems (PHP, jQuery, MySQL/MariaDB) used daily across the company and deployed to external enterprise clients.
- Owned features end-to-end within a 5-person development team — database design, backend, frontend, and production deployment.
- Promoted to coordinate delivery for a cross-functional team of up to 5 engineers (systems, frontend, backend), running planning and releases in Notion, Asana and Monday.

TECHNICAL SKILLS

AI / LLM	LLM application design, agents & tool use, vision models, streaming, prompt engineering, fallback & cost control, RAG; Gemini, Claude, GPT, Mistral, OpenRouter, Vertex AI
Languages	TypeScript, JavaScript, Swift, Kotlin, SQL, PHP, Python
Backend	Node.js, Hono, REST APIs, PostgreSQL, Drizzle ORM, MongoDB, MySQL/MariaDB, OAuth 2.0 / OIDC
Frontend	React, Next.js, Vue, Tailwind CSS, HTML/CSS
Mobile	Swift / SwiftUI, Kotlin / Jetpack Compose, App Store & Google Play release pipelines
Infrastructure	Docker, Linux, GitHub Actions, Nginx, Cloudflare, pm2, VPS deployment, n8n
Quality	Vitest, JUnit, XCTest, Playwright, Sentry, PostHog

EDUCATION

École 42 — Programming & Software Engineering 2016 – 2020 · Paris

Highly selective project-based curriculum (admission through the four-week “Piscine”); systems, web and databases, built entirely through team projects and peer review.

Wingate Institute — Certified Personal Trainer & Nutrition Specialist 2014 – 2015 · Israel

The domain expertise behind Leirod's nutrition and training logic.