

AGGELOS KONSTANTILIERIS

Senior Full-Stack TypeScript Developer & AI Lead

+30 695 675 5218 · aggeloskonstantilieris@gmail.com · Voula, Attica, Greece · [GitHub](#) · [Portfolio](#) · [LinkedIn](#)

SUMMARY

Full-stack TypeScript developer who ships production AI systems on top of solid product engineering: React/Next.js front ends, Node/NestJS services, and the operational side of LLMs — orchestration, validation, agent safety. AI lead on a maritime email platform with ~3,000 users, where I built Forge, its LLM orchestration layer; co-building Holocomm, an AI booking SaaS where the model proposes and a deterministic gate decides.

EXPERIENCE

LGMar — Senior Full-Stack Developer & AI Lead

Nov 2024 – Present · Athens, GR

- Own feature development and the AI roadmap for LGMar's maritime email and operations product across two surfaces: Omni, the web platform (legacy DHTMLX + JavaScript) used by ~3,000 users, and iTelix Plus, its React Native app (iOS + Android, 4.5★).
- Designed and built **Forge** (sole engineer · [case study](#)), the LLM orchestration system behind iTelix's AI Rules — user-written prompts that automatically classify and tag incoming email. Provider-agnostic, two-daemon orchestrator (nine worker loops) over OpenAI and Anthropic with exactly-once, crash-idempotent processing: no job is lost or double-run across crashes or N-replica scaling.
- Forge sustains ~40 jobs/sec per replica (~3.4M/day), scales horizontally through PostgreSQL alone (no queue service), and routes large jobs through provider Batch APIs at roughly half the standard token cost.
- Built and own an AI-agent bug-resolution pipeline — custom Claude agents across analyze → plan → execute → verify, parallelized via git worktrees, with automated plan validation gating each run — that landed fixes for 38 of 43 tracked bugs (about half rated major/critical) on a large legacy codebase.
- Leading planning for OMNI 2, the platform's migration from DHTMLX to React + TypeScript.

Motion Hellas — Senior Full-Stack TypeScript Developer

Aug – Oct 2024 · Remote, Athens, GR

- Led development of a multi-tenant waste-management platform used in production by three organizations (AFIS Cyprus, ReBattery, Fotokiklosi), tracking ~20,000 collection points.
- Built React + TypeScript single-page apps with advanced filtering, inline editing, and Excel export.
- Designed GraphQL APIs and role-based access control aligned with EU waste-tracking compliance.

Freelance — Full-Stack TypeScript Developer, Apollon CRM · [case study](#)

2023 – Present · Athens, GR

- Built and maintain Apollon, a pet-boarding & hospitality CRM for a client's facility (Next.js App Router, Server Actions, MongoDB, TypeScript, Zustand), in daily use: 784 clients, 844 bookings, and 73 rooms over ~18 months of live operation.
- Designed the financial layer (~€794K tracked: €285K collected across 1,378 payments, €509K in expenses) and a room-based scheduler with real-time conflict/occupancy detection, drag-and-drop reassignment, and Syncfusion + Google Calendar sync (2,356 appointments).

INDEPENDENT PROJECT — part-time, alongside LGMar

Holocomm — AI-first Multi-Tenant Booking SaaS · [case study](#) · co-built with one partner

May 2025 – Present

- Architected the platform and owned every technical decision (43 ADRs), scoping tickets for a partner who built most of the front end: pnpm monorepo — NestJS 11 API (hexagonal/DDD), Next.js 16 dashboard + subdomain-per-business storefront, React operator console — with per-business and per-location isolation enforced by global guards and scoped RBAC (16 resource resolvers).
- Built the LangGraph agent that books, reschedules, and cancels over WhatsApp in English and Greek on at most two LLM calls per turn — a deterministic shortcut ladder for common turns, ~21 Zod-validated tools fanned out in parallel.
- Designed “model proposes, gate decides” mutation safety: the planner binds no mutating tools, and every write passes a deterministic gate (type → ownership evidence → RBAC → policy → confirmation), so a hallucinated or prompt-injected action cannot execute.
- Implemented per-tenant RAG over uploaded FAQs and policies with a self-hosted multilingual embedding model (ONNX) and a calibrated relevance floor, plus a three-tier input guard (exact lexicon → embedding similarity → LLM) for medical, privacy, prompt-injection, and wrong-business requests.
- Shipped Stripe usage-based billing (metered AI conversations, trials) and Stripe Connect / Viva Wallet payments on an append-only credit ledger; ~200-scenario bilingual eval suite as a CI release gate (zero unsafe writes); GHCR images, auto-deployed staging, gated production promotion on AWS.

TECHNICAL SKILLS

AI / LLM: OpenAI & Anthropic APIs, LangGraph, RAG & embeddings (ONNX, multilingual-e5), LLM batch & realtime orchestration, agentic workflows (Claude agents, git worktrees), eval harnesses, LangSmith.

Front-End: React, React Native, Next.js (App Router, Server Actions), TanStack Router & Query, Zustand, Tailwind CSS, shadcn/ui, Syncfusion.

Back-End: TypeScript, Node.js, NestJS, Express, REST & GraphQL, Prisma, Mongoose, Zod, Stripe (Billing, Connect).

Data & Infra: PostgreSQL, MongoDB, Redis, Docker, GitHub Actions, AWS (S3, Lightsail, CloudFront, CDK), Prometheus, Sentry.

Practices: DDD / hexagonal architecture, event-driven systems, ADRs, testing (Jest, Vitest, Playwright), Agile.

EDUCATION & LANGUAGES

Education: University of Piraeus — BSc Computer Science, 2024 · **Languages:** Greek (native), English (professional), French (B1)