

IOANNIS PAPAKOSTAS

Full-Stack Developer | Internal Tools, Automation & Business Systems

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PROFESSIONAL PROFILE

Full-stack developer with 8+ years of hands-on experience across web development, e-commerce systems, technical operations, and internal tooling. Builds secure business platforms and workflow automation from stakeholder discovery through deployment using TypeScript, React/Next.js, Python/FastAPI, SQL, Supabase/PostgreSQL, and AI-assisted development workflows. Experienced translating ambiguous operational problems into maintainable tools that reduce manual work and improve day-to-day execution.

SELECTED PROJECTS

Spatia | Marketplace and operations platform | 2025 - Present

- Designed and deployed an end-to-end platform for venue discovery, booking requests, provider coordination, payment flows, and administrative approval workflows.
- Translated multi-party operational processes into role-specific dashboards, controlled request lifecycles, review queues, audit trails, GDPR-aware flows, RLS-based access control, and Stripe Connect platform flows using Next.js 15, React 19, TypeScript, Tailwind, Supabase/PostgreSQL/PostGIS, Auth, and Storage.

Live platform: spatia-market.vercel.app

Dancefolklore.gr | Bilingual content, product and admin operations platform

- Designed and built a custom bilingual platform for regional costume and folklore documentation, combining visual discovery, structured content, visual media, and ongoing product and content workflows.
- Developed native product-management capabilities, in-product notifications, administrative dashboards, and role-specific controls to support operational events, follow-up actions, and day-to-day administration.
- Built and deployed the system end to end with React, TypeScript, Cloudflare Pages, Workers, D1, R2, and Hono APIs, with direct ownership of architecture, deployment, and ongoing iteration.

Live platform: dancefolklore.gr

AccountantLink | B2B accounting operations platform

- Built a bilateral B2B portal for accounting firms and employers covering VAT, EFKA, payroll obligations, payment tracking, document workflows, and role-specific dashboards.
- Developed Flutter and NestJS/TypeScript applications with Prisma, Redis/BullMQ, CI pipelines, and PostgreSQL-targeted persistence architecture.

PROFESSIONAL EXPERIENCE

Freelance Full Stack Developer & IT Support | Small Businesses, Ioannina | 2023 - Present

- Delivered full-stack websites, internal tooling, workflow support, and technical operations services for small businesses with direct ownership from discovery through implementation and follow-through.
- Worked with non-technical owners to translate operational needs into scoped technical solutions, secure access patterns, clear documentation, and practical next steps.
- Diagnosed and resolved Windows/Linux, device, connectivity, SaaS, and web-platform incidents while maintaining clear stakeholder communication in time-sensitive support situations.
- Applied practical security controls, privacy/GDPR awareness, dependable data-handling practices, and operational triage discipline.

E-Commerce Systems Developer & Operations | ragefactory.gr, Ioannina | 2020 - 2022

- Owned reliability and operational improvement of a business-critical e-commerce storefront during COVID-era retail operations, covering catalogue data, customer-facing UX, platform stability, checkout-adjacent risk, and changing commercial priorities.
- Resolved front-end faults, content and product-data inconsistencies, platform issues, and transactional friction across WordPress/OpenCart workflows to protect day-to-day retail operations.

PROFESSIONAL EXPERIENCE CONTINUED

Plugin Developer & Technical Admin | GameforceGreece / MellonGR, Remote | 2015 - 2017

- Built and maintained plugins and community tooling alongside live-service administration, permission controls, configuration, stability work, user support, and incident triage.
- Developed early experience debugging live systems, safeguarding user trust, and maintaining service reliability under operational pressure.

ADDITIONAL PROJECT EVIDENCE

ASAC | Isolated AI research CLI

- Developed a Node.js/TypeScript CLI that runs AI research workflows in isolated Podman containers with private networking, controlled input/output boundaries, and local Llama models.

DocScape | Local AI document intelligence system

- Developed a local AI document intelligence system that monitors folders, OCRs incoming documents, and indexes them into Qdrant for retrieval.
- Built the service with Python, FastAPI, React, and Ollama to answer questions with citation-backed results using local models.

Gerakofolia Villa | Tourism booking and presentation website

- Built and maintained a tourism-facing website with responsive UI, property content, visitor enquiry support, and ongoing operational iteration for a small accommodation business.

Live website: gerakofolia-villa.gr

AI Runner & Agent Workflow Tooling | Local engineering execution and review support

- Created local engineering tooling that routes Claude Code, OpenAI Codex, OpenCode, Hermes, and OpenClaw through repeatable repository instructions, model execution, and structured review workflows.

TECHNICAL SKILLS

Full stack: TypeScript, JavaScript, React, Next.js, Tailwind CSS, Node.js, Python, FastAPI, REST APIs, authentication, validation, and auth-aware service design

Data and platforms: PostgreSQL, Supabase, PostGIS, Qdrant, SQLite/D1, schema design, RLS-aware data access, Cloudflare Pages/Workers/R2/D1, Vercel, GitHub Actions

Business systems and automation: Role-based dashboards, in-product notifications, product and content workflows, approval flows, audit logging, payment flows, APIs/webhooks, and AI-assisted workflow design

AI and workflow systems: Claude Code, OpenAI Codex, OpenCode, Hermes, OpenClaw, local LLMs, Ollama/Llama, retrieval workflows, OCR pipelines, agent workflows, prompt and tool routing

Infrastructure and security: Linux, Podman, containers, secure access patterns, privacy/GDPR-aware design, debugging, and incident triage

EDUCATION & LANGUAGES

BSc in Informatics and Telecommunications | University of Ioannina | Expected 2026

Languages: Greek - Native | English - B2