

Alexandros Paliampelos

SOFTWARE ENGINEER

alexandropaliampelos@gmail.com | Athens, Greece | [linkedin.com/in/apaliampelos](https://www.linkedin.com/in/apaliampelos) | github.com/sonole | apaliampelos.me

OBJECTIVE

Driven by the principle of "less is more", I focus on building clean, maintainable, and scalable software solutions. I thrive in dynamic environments where adaptability and accountability are key, and I seek opportunities that challenge me to grow technically while delivering high-quality results through practical, purpose-driven development.

EXPERIENCE

Full Stack Developer | InDigital

Oct 2025 – Present

- Contributed to two production Laravel platforms — a healthcare prescription analytics system and a sports federation management platform — owning the more architectural and reusable parts of each codebase.
- Designed a DTO-based UI binding layer enforcing schema consistency between backend and frontend; introduced controller concerns to eliminate duplicated sorting, filtering, and pagination logic platform-wide.
- Architected a trait-based composition system for Livewire components handling recursive hierarchical form validation and nested CRUD with modal lifecycle management, reused across multiple entity contexts.
- Integrated external government APIs with a consistent service layer and caching strategy; implemented a generic notification system with validated payloads covering broadcast and email delivery across all notification types.

Back End Developer | codica

Oct 2022 – Oct 2025

- Decomposed a monolithic CMS into 5 core packages and later designed and implemented over 25 independently installable Laravel packages across CMS, e-commerce, and education verticals; built a custom embedded package manager with an admin-panel UI and artisan-powered install/uninstall commands.
- Authored and maintained the full package stack covering CMS foundations and a complete e-commerce layer, while driving continuous platform evolution — migrating from Livewire 2 to Livewire 3 and tracking Laravel upgrades through to Laravel 11.
- Implemented event-driven communication between packages using Laravel's event/subscriber system and a facade-based public API layer (e.g., order status changes automatically triggering stock adjustments and customer notifications without direct dependencies).
- Built secure third-party integrations including payment gateways (PayPal, Nexi, Modirum), marketing tools (Moosend, Mailchimp), product feed pipelines (Google Shopping, Facebook Catalog), and ReCAPTCHA.
- Created a custom analytics app retrieving daily performance metrics from Facebook Ads and Google Ads accounts, feeding Taboola for optimized campaign targeting and budget allocation.

Mobile/Web App Developer | AVS Automotive

Mar 2024 – Present

- Built a cross-platform fleet management platform (iOS, Android, Web) using Flutter and a custom Laravel REST API; implemented a dual-database architecture bridging a remote telematics VPS with the application database, with real-time vehicle data streaming, interactive map-based route visualization, and async trip report PDF generation.
- Designed a fine-grained Sanctum token-ability authorization system mapping user subscription plans to specific API capabilities (live data, raw data, events, alerts); built multi-tenant domain isolation and admin impersonation for fleet operator management.
- Integrated Firebase Cloud Messaging for push notifications, flutter_map for interactive vehicle tracking, and fl_chart for real-time sensor data dashboards.

- Built a smart locker last-mile delivery platform on Bagisto (Laravel), including custom package modules for smart locker integration via an MD5-signed external REST API, a Cardlink payment gateway plugin, and a companion Flutter app for customer and admin order management.

USV Development Lead | Hellenic Research Technological Development and Innovation Center (KETAK)

Jan 2024 – Jan 2025

- Led end-to-end development of Greece's first Unmanned Surface Vessel (USV) as part of national military service, designing and integrating both hardware and software components from the ground up.
- Built custom hardware assemblies using Arduino and Raspberry Pi — wiring and configuring sensors across the vessel and writing initialization and data-fetch scripts for each subsystem (radar, hydraulic steering, throttle position control).
- Designed and deployed custom autopilot firmware (ArduPilot), participating in endpoint calibration sessions and implementing failsafe protocols for autonomous navigation.
- Integrated CAN-BUS and NMEA 2000 protocols for hardware communication; deployed real-time telemetry enabling remote vessel control via mobile networks with directional antennas, with Starlink compatibility.

Web Systems Administrator | AVS Automotive

Sep 2020 – Sep 2022

- Managed VPS-based infrastructure hosting mission-critical web applications.
- Administered IIS servers, managed server logs, scripts, and NAS systems to ensure uptime and performance.
- Deployed and monitored web apps and internal tools for operational efficiency and scalability.

Junior Web Developer | AVS Automotive

Sep 2018 – Sep 2020

- Maintained and updated multiple WordPress and Joomla installations, ensuring security, performance, and compatibility with plugins and themes.
- Developed custom PHP scripts, plugins, and components to extend CMS functionality based on specific business requirements.

Junior Information Technology Specialist | AVS Automotive

Feb 2016 – Sep 2018

- Programmed and tested telematics and automotive diagnostic devices.
- Delivered training and support to partners for software and hardware deployment.
- Conducted QA processes and managed installation of technical systems across partner networks.

EDUCATION

Bachelor's Degree: Computer Science | University of Piraeus

Sep 2016 – Sep 2022

Department of Digital Systems. Major: Software & Data Systems. Secondary Major: Information Systems

Fundamentals Of Digital Marketing | Google

Issued on Apr 2022

Applied Data Science with Python | Simplilearn

Issued on Jun 2022

Flutter & Dart | Udemy

Issued on Apr 2024

SKILLS

Frontend	HTML, CSS, JavaScript, Alpine.js, Vue, Livewire, WordPress, Joomla
Backend	PHP, Python, Java, C, Flask, SQL, MongoDB, Redis
Frameworks	Laravel, Flutter
Other	REST APIs, Docker, Firebase, ClickHouse, JSP
Embedded	Arduino, Raspberry Pi, ArduPilot, CAN-BUS, NMEA 2000
Tools	Git, IIS, VPS, NAS, Lua, Bash, PowerShell

Soft Skills	Adaptability, Problem-solving, Creative thinking, Time management, Negotiation, Positivity
Languages	English (Professional), Greek (Native), Italian (Limited)

PROJECTS

Remote Diagnosis & Telematics

Arduino, CAN-BUS, GPS, GSM, Docker, TCP/IP

BSc Thesis — Full client-server telematics solution

GitHub

- Designed and built an Arduino Nano-based telematics unit integrating MCP2515 CAN-Bus, Ublox NEO-7M GPS, and SIM900 GSM modules to capture vehicle diagnostic data and GPS location.
- Developed a TCP/IP stack to format data streams into packets and transmit via GSM to a remote Dockerized server — enabling real-time remote vehicle monitoring.
- Packaged the server backend using Docker, and documented step-by-step wiring diagrams, OBD-II PID parsing, and deployment processes.
- Achieved 9? on GitHub, demonstrating practical design and open-source collaboration.

Cinema Ticketing System

Java, JAX-RS, JSP, MySQL, Bootstrap

RESTful Java ticketing app

GitHub

- Developed a RESTful Java application using JAX-RS for backend ticket management, integrated with JSP/HTML/CSS/JS/Bootstrap for user interactions.
- Architected with Java 8 and MySQL, enabling full CRUD operations, session handling, authentication, and booking workflows.

Containerized Web App

Python, Flask, MongoDB, Docker, REST API

API-driven e-commerce backend

GitHub

- Built a fully API-driven e-commerce platform using Flask (Python) and MongoDB, containerized via Docker for streamlined deployment.
- Implemented RESTful endpoints for user registration, login, product management (add/edit/delete), cart handling, and order placement, all consumed exclusively via API clients.

Dynamic Marketplace

PHP, MongoDB, jQuery, Bootstrap, HTML/CSS

Multi-vendor marketplace platform

GitHub

- Created a web-based marketplace using HTML, CSS, Bootstrap, PHP, MongoDB, and jQuery, offering a multi-vendor catalog and shopping system.
- Users can register, log in, browse products, and place orders through a structured flow, with product data dynamically stored in MongoDB.