

SAKELLARIOU ANGELOS

SOFTWARE ENGINEER

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Computer Science graduate from the University of Piraeus, specializing in full-stack engineering with Java/Spring Boot and React.js. Experienced in the full software development lifecycle within agile-oriented workflows—from requirements analysis to building secure, scalable, and test-driven web applications. Passionate about writing clean, maintainable code and eager to leverage modern tech stacks to deliver high-quality, client-focused IT solutions at an enterprise level.

EXPERIENCE

Bachelor Dissertation

Vengo | Collaborative Travel Planning Platform (2025 – Present)

Tech Stack: *Next.js, TypeScript, Supabase, TailwindCSS, Zod, Jest, Playwright, Vercel, Mapbox GL JS*

- Architected and engineered a full-stack 'Single Source of Truth' platform from the ground up, translating complex user requirements into a scalable, real-time collaborative architecture.
- Engineered a Zero Trust database architecture with Supabase Row-Level Security (RLS) and a granular RBAC model (Owners, Editors, Viewers).
- Integrated Mapbox GL JS for context-aware mapping, dynamic itinerary management, and point-of-interest (POI) visualization.
- Ensured high software quality, maintainability, and strict type-safety through a layered architecture, runtime DTO mappers via Zod, and comprehensive automated testing (Jest, Playwright).

Academic Projects

LikEat | Restaurant Evaluation Platform (2024)

Tech Stack: *Java, Spring (Boot, Security), React, Vite, MySQL, JWT*

- Engineered a secure full-stack web application featuring robust authentication and authorization using Spring Security and JWT.
- Implemented a multi-user environment (Customer, Client, Admin) with granular access control and distinct operational capabilities.
- Developed a custom fair ranking algorithm to prevent review manipulation and ensure unbiased restaurant ratings.

UniPipliShopping | Android Shopping List Application (2024)

Tech Stack: *Android, Java, Firebase, Navigation Components, Fragments*

- Designed a native mobile application for shopping with modular fragment architecture and real-time notifications.

Digital Museum | Interactive Music & Artists Experience (2023)

Tech Stack: *C#, HCI, WinForms*

- Simulated an interactive digital music museum using Hierarchical Task Analysis, where users explore exhibits, attend events, and control a virtual DJ system.

Professional Consulting Experience

Full Stack Engineer & Consultant | Sustainable E-commerce Startup (2024)

Tech Stack: *Next.js, React, TypeScript, Supabase, Redux Toolkit, TailwindCSS, Vercel*

- Collaborated directly with startup founders to define business needs and translate them into technical specifications for a highly scalable, "Skroutz-like" sustainable marketplace platform.

- Led the full-cycle development of the platform, engineering complex purchase flows, and logistical coordination workflows connecting buyers, sellers, and transport hauliers.
- Architected an enterprise-grade database schema and implemented multi-role authentication with strict Role-Based Access Control (RBAC) to serve customized dashboards for Admins, Businesses, and Hauliers.
- Acted as a technical advisor, leveraging Next.js App Router and Redux Toolkit to ensure a high-performance, secure, and maintainable state management architecture.

Personal Projects

School Library | Management System for Greek Schools (2024 – Present)

Tech Stack: *Next.js, React, TypeScript, Supabase, TailwindCSS, Vercel*

- Engineered a comprehensive web platform to digitize school library management, streamlining cataloguing with role-based dashboards (RBAC), borrowing trend charts, and statistics.
- Developed a complete book lifecycle system utilizing QR codes for fast, mobile-ready borrowing and return workflows.

Cinemi | Greek Cinema Discovery Platform (2025 – Present)

Tech Stack: *Next.js, React, TypeScript, Supabase, TailwindCSS, Mapbox, Vercel*

- Developed Edge Functions to automatically scrape movie and showtime data from external Greek cinema sources.
- Integrated Supabase Realtime to push live data updates across user sessions instantly.
- Built an interactive Mapbox integration for users to discover cinemas by location and built comprehensive watchlist tracking (Want to Watch, Watched, Not Interested).

EDUCATION

University of Piraeus, School of Informarion Technologies, Department of Informatics

Oct 2021 – Feb 2025

Grade: 8

Varvakeio Model High School (Athens)

Admission through competitive exams

Graduated with honors

LANGUAGES

Greek - Native speaker

English – Proficiency Level (University of Michigan ECPE)

TECHNICAL SKILLS

- **Frontend:** Next.js, React, TypeScript, JavaScript, HTML, TailwindCSS.
- **Backend:** Java, Spring (Boot, Security), RESTful APIs.
- **Databases & Cloud:** PostgreSQL, MySQL, Supabase.
- **Testing:** Jest, Playwright
- **Tools & Architecture:** Git/GitHub (Source Control), Maven (Build Tools), Zod, Vercel, Mapbox GL JS, Vite, Zero Trust Architecture, JWT Authentication, Role-Based Access Control (RBAC).

CERTIFICATIONS

- Programming with JavaScript, Meta
- Version Control (Git), Meta
- Introduction to Front-End Development, Meta
- Next.js App Router Fundamentals, Vercel
- React Foundations for Next.js, Vercel