

Ilias Saltsidis

Thessaloniki, Greece | ilias@devalis.gr | +30 6972185944

[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Backend-focused Full-Stack Engineer with hands-on experience building production-grade web and mobile applications. Core focus on backend architecture and API design with Django, FastAPI, and PostgreSQL, actively deepening expertise in .NET Core. Co-founder of digital agency Devalis, delivering end-to-end client platforms and consumer mobile apps with 200+ active downloads. Awarded 3rd place in OpenUp Climate Hackathon 2025.

Experience

Devalis

Thessaloniki, Greece · [Case Study](#)

Co-Founder & Full-Stack Developer

2025 – Present

Co-founded a digital agency, managing end-to-end SDLC from Figma design to cloud deployment for web and mobile client solutions

- Saltsidis.gr (E-Commerce Platform):
 - Architected and deployed a **full-stack** e-commerce store with React frontend and Django REST backend backed by PostgreSQL.
 - Implemented technical SEO best practices, structured metadata, and performance tuning, significantly increasing organic discovery.
- Italikakleio.gr (Educational Institute Web App):
 - Built a responsive, modern web platform for an educational institute using React and Supabase.
 - Designed real-time content management workflows and streamlined enrollment contact forms.

Projects

ThessInfo — Urban Climate Application

Hackathon Distinction · [Case Study](#)

Full-Stack Developer | Next.js, PostgreSQL, REST API

2025

- Achieved 3rd place overall at the OpenUp Climate Hackathon 2025 by delivering a high-impact urban climate data visualization prototype under strict sprint deadlines.
- Designed and implemented the relational PostgreSQL database schema and backend REST endpoints.
- Collaborated on building an intuitive Next.js frontend ensuring responsive, low-latency metrics presentation.

PartyRoll — Mobile Party Game

Production App · [Case Study](#)

Co-Developer | Flutter, Dart, Isar NoSQL Database

App Store & Google Play

- Engineered a cross-platform mobile gaming application with Flutter currently deployed to Google Play Store and Apple App Store, surpassing 200+ organic downloads.
- Implemented performant offline data persistence and game session state tracking using the Isar embedded database engine.
- Oversaw deployment pipelines, platform-specific build configurations, signing keys, and store compliance standards.

PyroCheck — IoT Fire Safety & Hazard Detection System

University Project · [Case Study](#)

Full-Stack & Embedded IoT Engineer | ESP32, FastAPI, PostgreSQL, Next.js, MQTT

- Architected an end-to-end IoT fire hazard and environmental monitoring system streaming real-time telemetry (smoke, combustible gas, temperature, humidity, pressure).
- Developed asynchronous firmware in C++ (PlatformIO) featuring a Wi-Fi provisioning captive portal, dynamic sensor mapping, and secure MQTT over TLS messaging with LWT heartbeats.
- Engineered a FastAPI backend and PostgreSQL database to ingest telemetry, stream live sensor data via WebSockets, and trigger automated emergency alerts via Twilio SMS and SMTP.
- Built a responsive Next.js and Tailwind CSS dashboard supporting remote device claiming, dynamic threshold configuration, and historical telemetry analytics over 15-day windows.

Educations

International Hellenic University (IHU)

Thessaloniki, Greece

School of Engineering — Department of Information & Electronic Engineering

- Integrated Master / Undergraduate Engineering Program (5th Year).
- Key Coursework: Software Engineering, Database Systems, Object-Oriented Programming, Data Structures & Algorithms, Computer Networks, Distributed Systems.

Technical Skills

Languages: Python, TypeScript, JavaScript, C#, Java, C, Dart, SQL

Frontend: React, Next.js, HTML5, CSS3, Tailwind CSS

Backend: Django, FastAPI, .NET Core, RESTful APIs, Supabase, Firebase

Mobile: Flutter, Kotlin (Android SDK)

Databases: PostgreSQL, SQLite, Isar NoSQL, Firebase Realtime Database

DevOps & Tools: Git, GitHub, Docker, Figma, Claude Code, Linux environments, Arduino

Languages Spoken: Greek (Native), English (Full Professional Proficiency)