



Sotirios Konstantis

Embedded & Web Developer  Athens

 sotirioskonstantis@gmail.com  (+30)6985663193  skonstantis.com  [skonstantis](https://www.linkedin.com/in/skonstantis)  [skonstantis](https://github.com/skonstantis)

Professional Summary

Full-stack developer passionate about building real-time systems and integrating embedded hardware with modern web technologies. Eager to contribute meaningfully by applying strong problem-solving skills, rapid prototyping experience, and a deep focus on performance and clarity. Proven ability to design, build, and deploy complex platforms from scratch, including geophysical and environmental monitoring systems.

Projects



richterberry.gr

I built this **fully autonomous seismograph system from scratch** to explore real-time seismic data collection, processing, and visualization using custom hardware and software.

- **Raspberry Pi**-based node with **GPS module**, **ADS1115 16-bit ADC**, and high precision **SM-24 geophone** (250Hz sampling)
- **Backend** pipeline using **Python** and **WebSocket**, behind an **NGINX reverse proxy**, hosted on **Hetzner**
- **React** frontend displays real-time **waveform** and **spectrogram**, optimized for **clarity**, **performance**, and **near-zero latency**

SEISMOLOGOS

Real-Time Seismic Activity

seismologos.gr

I created this real-time earthquake information site to offer a more accessible, bilingual alternative to existing seismic data platforms in Greece.

- **HTML**, **CSS** & **Vanilla JavaScript** frontend built in **WordPress** environment
- **Text-to-speech**, real-time **AJAX** updates, and full **Greek-English support**
- Designed for **desktop and mobile**, with **accessibility** in focus



pyrosvestis.gr

I independently designed and developed this **real-time wildfire risk platform** to improve wildfire awareness in Greece by providing real-time, official and publicly accessible risk data.

- **Node.js** backend automates daily risk map parsing and updates
- **React + TypeScript** frontend with **responsive map-based UI**
- **Scalable, zero-maintenance data pipeline** with dynamic content updates

Education



Master of Science in Applied Informatics

University of Thessaly

Department of Electrical & Computer Engineering

Grade: 9.0 / 10

Graduated: 2025



Bachelor of Computer Science

University of Crete

Department of Computer Science

Grade: 7.0 / 10

Graduated: 2023

Technical Skills

Frontend



Backend



Hardware



Software



Foreign Languages

 Certificate of Proficiency in **English** (ECPE), University of Michigan

 **Japanese**-Language Proficiency Test (JLPT - N5)

References

Available upon request