Manolis Koukakis

Full Stack Developer
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Professional Summary

Full stack developer with 7+ years of experience building web applications across Svelte, React, Vue, Node.js/TypeScript, Python and PHP. Led a web development team, shipped APIs and front ends for large-scale energy and AI products, and delivered animation-heavy, pixel-perfect sites for award-winning agencies. Strong communicator who works closely with designers, project managers and DevOps.

Work Experience

Full Stack Developer, PentagonBrief Sep 2025 – Present

AI automation tool helping founders and marketing teams define positioning, messaging and go-to-market direction.

- Build and maintain the Python/Flask back-end APIs powering the product.
- Handle background and asynchronous processing with Redis and Celery.
- Develop the front end with Svelte and SCSS.
- Built a custom WordPress WooCommerce theme.

Web Developer, Mozaik Mar 2024 – Aug 2025

- Built and maintained optimized, reusable Svelte components styled with SCSS and animated with GSAP.
- Balanced performance with complex animation and pixel-perfect design execution.
- Collaborated with developers, designers and project managers.

Full Stack Developer (Web Team Lead), Emtech Space Apr 2022 – Mar 2024

- Led the web development team.
- Developed APIs in TypeScript, Express.js and Prisma with a React front end for a large-scale energy efficiency application.
- Collaborated with an external developer team to build smart-grid monitoring software.
- Created a custom website for the Hellenic Space Dawn mission.
- Wrote tests with Jest and Supertest; documented APIs with Swagger and code with TSDoc.
- Worked closely with the DevOps department.

Full Stack Developer, Lime Creative Apr 2020 – Apr 2022

Award-winning agency building commercial websites.

- Focused on front-end development with JavaScript and SCSS, with PHP on the back end.
- Turned UI/UX designs into complete, detail-accurate web applications.

Web Developer, Encreations GR Mar 2019 – Sep 2019

- Created WordPress templates and child themes using vanilla JavaScript and PHP.

Educational Robotics Instructor, Hellenic Mediterranean University Oct 2018 – Feb 2019

- Taught robotics and programming basics to elementary school students as part of a university initiative.

Front End Developer (Intern), LearnWorlds Apr 2018 – Oct 2018

- Worked remotely with an experienced front-end team to develop templates for the company's page builder using Less and Vue.js.

Teaching Assistant, Hellenic Mediterranean University Feb 2017 – Jun 2018

- Helped develop teaching material for the Web Applications and Object-Oriented Programming courses and took an active part in teaching.

Skills

Languages: JavaScript, TypeScript, Python, PHP, HTML, CSS, SCSS, Less

Front End: Svelte, React, Vue.js, GSAP, Material UI

Back End: Node.js, Express.js, Flask, Prisma, Celery, Redis, Swagger

CMS: WordPress, WooCommerce
Tools & Practices: Git, npm, Linux, Jest, Supertest, TSDoc
Familiar With: Go, Lua
Spoken Languages: English (C2), German (B1 certificate), Greek (native)

Volunteering and Training

- Open-source contributor, OWASP Amass (asset discovery and attack surface mapping): briefly contributed and gained hands-on familiarity with Go and Lua. Driven by a strong interest in offensive security.
- Volunteer teacher (2020): taught computer science fundamentals to teenagers at a local social welfare center, through an NGO-funded initiative.
- Continuing education: Google Front End Developer Scholarship (2018), Security BSides Athens, Awwwards webinars, and Frontend Masters courses (ongoing since 2019).