

Angelos Papamichail

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Summary

Full-Stack Developer and Digital Skills Trainer. MEng in Electrical and Computer Engineering (AUTH). Building technology that solves real problems, from radio analytics platforms to self-hosted restaurant systems. Early AI/LLM adopter since GPT-3.5 (late 2022), experienced in prompt engineering and AI-assisted development.

Experience

Digital Skills Trainer • Social Inov

Nov 2025 – Present

Teaching digital literacy to adults and seniors via NGO partnership

DM & Social Media Trainer • ΣΑΕΚ ΔΥΠΙΑ

Oct 2025 – Present

Instructor for vocational digital marketing program

Data Entry Clerk • Agricultural Cooperative

May – Oct 2025

- Built Vue.js browser extension, **40% faster** data entry
- Created internal wiki with 50+ documented procedures
- Trained 5 new staff members on digital workflows

Night Auditor • TUI Magic Life Plimmiri

May – Nov 2024

- Semi-automated guest card scanning, **3x faster**
- Built Svelte multilingual hotel map for 500+ guests
- Documented Protel PMS procedures for team training

Python Developer • Koukas Iason Software

Feb – Jun 2024

Backend API integration for mobile game with 10K+ users

Software Developer Intern • Veltio

Aug – Oct 2020

Docker containerization, CI/CD pipeline setup

Education

MEng, Electrical & Computer Engineering

Aristotle University of Thessaloniki

2014 – 2023 • GPA: 7.33

Thesis: RationVet, Veterinary diet optimizer

Smart Building Programming (Level 1)

IDEA Lifelong Learning Center, 2024

Volunteering

Youth Council of Orestiada (2025–Present)

TEDx AUTH (2016)

Ardas Music Festival

Featured Projects

Order Local

Go, SQLite, HTMX, Alpine.js

Self-hosted restaurant ordering for Raspberry Pi. Single binary, SSE real-time updates, local-first architecture.

Diesi Analytics

Python, FastAPI, Vue.js, Redis, Docker

Radio station analytics platform. ML predictions from 337K song records. Self-hosted on personal server.

Emotion Recognition

Python, OpenCV, scikit-learn, SVM

Real-time emotion detection for video calls. Uses LBP features and SVM classification. Academic project.

SpotifyPay

React, Google Apps Script, GitHub API

Spotify Family cost calculator with email notifications. Split-data architecture for privacy.

SubtitleKit

Python, PyPI package

Subtitle processing toolkit. Sync, merge, shift timings. LLM integration for corrections.

→ More projects

Technical Skills

Languages

Python • Go • JavaScript/TypeScript • SQL • C/C++ • PHP

Frontend

React • Vue.js • Svelte/SvelteKit • Astro • HTMX • Tailwind

Backend

FastAPI • Express.js • Django • Flask • Chi Router • Node.js

Databases

PostgreSQL • SQLite • MongoDB • Redis

DevOps

Docker • Git • Linux • CI/CD • GitHub Actions • Vercel




AI/ML

Prompt Engineering • LLM APIs (GPT, Claude, Gemini)
RAG • AI-assisted Development (Cursor, MCP)

Soft Skills

Teaching and Training • Technical Documentation
Problem Solving • Team Collaboration • Adaptability

Languages

 Greek (Native) •  English (C2) •  German (B2)

Certifications

- Backend Development & APIs, freeCodeCamp
- Data Analysis with Python, freeCodeCamp
- Scientific Computing with Python, freeCodeCamp

- JavaScript Algorithms & DS, freeCodeCamp
- Data Scientist Professional, Codecademy
- Front-End Engineer Pro, Codecademy

Operating Systems: Windows (XP–11) • Linux (Ubuntu, Debian, Arch) • macOS